



**International Civil Aviation Organization**

CAR/SAM Regional Planning Implementation Group (GREPECAS)

**Air Traffic Management / Communications, Navigation and Surveillance  
Subgroup (ATM/CNS/SG)**

**Communications, Navigation and Surveillance Committee**

**FIFTH MEETING OF THE ATN TASK FORCE (ATN/TF/05)**

(Mexico City, Mexico, 12 to 13 June 2009)

**Agenda Item 1: Revisión de las actividades de planificación/implantación ATN CAR/SAM**

**d) Plan Regional IP**

**PLAN REGIONAL DE DIRECCIONAMIENTO IP**

(Presentado por Administración Argentina)

**RESUMEN**

En esta nota de estudio se presenta el Plan de Direccionamiento IP tentativo y las diversas actividades realizadas desde la Reunión ATN/TF4 (Santo Domingo, República Dominicana, 27 al 28 junio 2008).

**REFERENCIAS:**

- ATN / TF4
- Sexta Reunión del Comité ATM/CNS (ATM/CNS/6)
- ACP/WG/I/8 (Montreal, Canadá, 25 al 29 agosto 2008)
- Tercera Reunión del Grupo de Implementación Regional SAM/IG/3 (Lima, Perú, 20 al 24 abril 2009)

**1. Introducción.**

1.1 Durante la cuarta reunión de ATN/TF4 (Santo Domingo, República Dominicana, 27 al 28 junio 2008) se analizaron diferentes alternativas para la implantación del TCP/IP en las Regiones CAR/SAM identificando las opciones disponibles para facilitar esta implementación en el Servicio AMHS y en aplicaciones futuras. Esto se contempló de acuerdo al Documento 9880 Parte IIB de la OACI. A este respecto la Reunión acordó dos opciones viables para la implantación del TCP/IP:

- a) AMHS utilizando el RFC1006 sobre Encaminadores TCP/IP (IPv4) para permitir la interfaz AMHS directamente con Encaminadores IPv4 para las conexiones intra-regionales.
- b) Configuración AMHS, como se especifica en a) con capacidad para la conversión IPv4 a IPv6 a través de la implantación de una función de encaminador IP de puerta de enlace (gateway) para las conexiones inter-regionales.

1.2 Considerando la disponibilidad limitada de direcciones públicas IPv4 y el potencial plan de transición a IPv6, se propuso un Plan de direccionamiento basado en un espacio de dirección privada IPv4.

1.3 La Sexta Reunión del Comité ATM/CNS (ATM/CNS/6) (Santo Domingo, República Dominicana, 30 al 04 julio 2008) analizó este Plan de Direccionamiento IP para las Regiones CAR/SAM y consideró que el mismo sería remitido a la OACI para su revisión.

1.4 Durante la ACP/WG/I/8 (Montreal, Canadá, 25 al 29 agosto 2008) se concluyó que es posible considerar un esquema regional de direccionamiento IPv4. Teniendo en cuenta que el sector privado puede estar usando las direcciones propuestas en otras aplicaciones, la Reunión consideró no viable aplicar el esquema de direccionamiento IP a nivel global.

1.5 La Tercera Reunión del Grupo de Implementación Regional SAM/IG/3 (Lima, Perú, 20 al 24 abril 2009) considero que, tomando en cuenta lo especificado en la Tabla CNS 1Bb del FASID, el sistema AMHS a instalar en la Región SAM utilizará el protocolo IP, inicialmente se utilizará la versión IPv4. El bloque de direccionamiento IPv4 utilizado sigue el esquema establecido en la Reunión ATM/CNS/SG/6.

## 2. Plan de Direccionamiento IP

2.1 Cuando comenzamos a realizar el plan de direccionamiento IP, se revisó nuevamente el esquema originalmente propuesto, se analizó la cantidad de Estados/Territorios por Región, la cantidad de direcciones que cada Estado/Territorio podría utilizar y la cantidad de direcciones reservadas para la interconexión entre Estados/Territorios. De este estudio se concluyó que:

- a) Se reduciría 1 bit a nivel Estado/Territorio. Esto significa pasar de 256 Estados a 128 Estados por Región. En el “Anexo 1” la región EUR/NAT, que es la más numerosa, tiene 53 Estados/Territorios, o sea que hay muchos números vacantes.
- b) Se agregaría 1 bit a nivel Host's. Permite pasar de 4096 a 8190 host's por Estado/Territorio. Esto se consideró debido a que la cantidad de aplicaciones futuras que se implementarían, principalmente en los Estados más desarrollados, podría hacer que la cantidad de direcciones no fuese suficiente.

2.2 Teniendo en cuenta lo expresado anteriormente, el nuevo esquema propuesto tiene el siguiente formato:

| Dirección IPv4 |   |   |   |        |                   |        |   |   |   |           |   |   |   |   |           |   |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|--------|-------------------|--------|---|---|---|-----------|---|---|---|---|-----------|---|---|---|---|---|---|---|---|---|---|---|
| 10             |   |   |   | Región | Estado/Territorio | Host's |   |   |   |           |   |   |   |   |           |   |   |   |   |   |   |   |   |   |   |   |
| 0              | 0 | 0 | 0 | 0      | 1                 | 0      | 1 | 0 | . | 0         | 0 | 0 | 0 | 0 | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1er. Byte      |   |   |   | .      | 2do. Byte         |        |   |   | . | 3er. Byte |   |   |   | . | 4to. Byte |   |   |   |   |   |   |   |   |   |   |   |

2.3 En primera instancia cabe destacar que a efectos de que las redes que se asignen a cada Estado / Territorio sean Redes Privadas (RFC 1918) el primero de los cuatro Bytes que componen las direcciones asignadas se mantendrá siempre con un valor decimal igual a 10. Mientras que los otros tres Bytes serán utilizados para repartir en forma jerárquica los bloques de direcciones correspondientes a cada Estado.

2.4 Los primeros cuatro bits del segundo Byte (4 bits) serán utilizados para identificar las Regiones en torno de las cuales se encuentran agrupados los Estados/Territorios del mundo:

- SAM: South American Office.
- NACC: North American, Central American and Caribbean Office.
- APAC: Asia and Pacific Office.
- MID: Middle East Office.
- WACAF: Western and Central African Office.
- ESAF: Eastern and Southern African Office.
- EUR/NAT: European and North Atlantic Office.

2.5 Por otro lado, los últimos cuatro bits del segundo Byte, y los tres primeros bits del tercer Byte (7 bits) serán utilizados para identificar los Estados/Territorios de cada Región.

2.6 Mientras que los últimos cinco bits del tercer Byte y los ocho bits que componen el cuarto Byte (13 bits) serán utilizados por cada uno de los Estados / Territorios para asignar direcciones a sus terminales / Servidores.

2.7 De esta forma con el esquema de asignación planteado se podrán abarcar:

- 16 Regiones.
- 128 Estados/Territorios por cada Región.
- 8190 Host's para cada Estado/Territorio.

2.8 Teniendo en cuenta lo establecido anteriormente en la tabla adjunta como “Anexo 1” se ha realizado la asignación de direcciones correspondientes para cada Estado/Territorio por Región. En esta tabla podrá observarse como la última red disponible para cada Región ha sido marcada como “RESERVADA” a efectos de que la misma sea utilizada para los enlaces Inter e Intra Regionales.

2.9 En la tabla adjunta como “Anexo 2” se muestra un ejemplo de cómo ha sido utilizada la última red “RESERVADA” para la Región SAM. En este caso podemos observar como, a efectos de aprovechar mejor todas las direcciones disponibles de la Red “10.15.224.0 / 19”, se han aplicado técnicas de subnetting, de forma tal que la citada red sea dividida en 2048 subredes, cada una de ellas con dos direcciones utilizables, las necesarias para los dos extremos de cada enlace. Asimismo, cabe destacar que si en alguna Región hubiera más de 2048 enlaces Inter/Intra Regionales podrán ser tomadas también la anteúltima y antepenúltima Red sucesivamente en función de las necesidades de cada Región.

2.10 De esta forma, cada Estado/Territorio podrá hacer uso del bloque de direcciones asignado de la forma en que desee. En el gráfico adjunto como “Anexo 3” se presenta un **ejemplo** en el cual tres Estados diferentes hacen uso del rango de direcciones propias de distintas formas. En este gráfico podemos observar que:

- a) Los tres Estados han sido interconectados entre sí utilizando las direcciones establecidas para tales efectos en la Tabla adjunta como “Anexo 2”;
- b) Paraguay ha tomado su bloque de direcciones y, de la forma que se muestra en el “Anexo 4”, lo ha dividido en cuatro subredes de forma tal de asignar una red diferente a cada uno de sus nodos principales;
- c) Por otro lado Brasil ha subdividido su bloque de direcciones en ocho subredes para, en este caso, asignar una red a cada FIR y disponer de otras cuatro subredes vacantes para los efectos que estime corresponder;

- d) Mientras que la Argentina que ya ha implementado su red ATN con un esquema de direccionamiento diferente al planteado, con anterioridad a la publicación de este documento, ha colocado un dispositivo de frontera con la intención de que el mismo realice la traducción de direcciones entre las direcciones exteriores, en este caso las asignadas en el “Anexo 1”, y las interiores.

2.11 A modo de ejemplo se muestra a continuación las direcciones que están siendo usadas en la Región SAM para los enlaces intra-regionales.

#### **Dirección Puertas de Enlace**

|           | ARGENTINA       | PERU             | PARAGUAY         | BRASIL          |
|-----------|-----------------|------------------|------------------|-----------------|
| ARGENTINA |                 | 10.15.224.13/30  | 10.15.224.9/30   | 10.15.224.62/30 |
| PERU      | 10.15.224.14/30 |                  | 10.15.224.157/30 |                 |
| PARAGUAY  | 10.15.224.10/30 | 10.15.224.158/30 |                  | 10.15.224.70/30 |
| BRASIL    | 10.15.224.61/30 |                  | 10.15.224.69/30  |                 |

| PAIS      | MTA EZE  | MTA CBA  | MTA CRV  |
|-----------|----------|----------|----------|
| ARGENTINA | 10.0.0.1 | 10.0.0.2 | 10.0.0.3 |
| PERU      |          |          |          |
| PARAGUAY  |          |          |          |
| BRASIL    |          |          |          |

### **3. Conclusiones**

3.1 De esta forma, se ha plantado un esquema de direccionamiento IP (versión 4) que abarca a todos los Estados/Territorios del mundo.

3.2 A cada Estado/Territorio se le han asignado 8190 direcciones de Red utilizables, lo cual a primera vista pareciera ser suficiente como para absorber las necesidades actuales.

3.3 En el desarrollo del citado esquema ha sido previsto un margen de crecimiento tal que permitirá absorber las necesidades que a futuro pudieran surgir, por ejemplo, si una región fuera subdividida en dos o mas regiones, como así también si surgiera algún Estado / Territorio nuevo.

3.4 Por último cabe destacar lo enunciado en el párrafo 2.10 donde queda demostrado que el esquema podrá implementarse de la forma en que cada Estado/Territorio decida en función de consideraciones de diseño de sus redes ATN, o del estado de avance en la implementación local de aplicaciones aeronáuticas montadas sobre redes IP.

4. **Acciones Sugeridas**

4.1 Se invita a la reunión a:

- a) Tomar nota de la información suministrada.
- b) Analizar el plan de direccionamiento IP propuesto.
- c) Recomendar cualquier acción en consecuencia.
- d) Si ello correspondiere, instar a las respectivas autoridades a efectuar las actividades aquí señaladas.

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## ANEXO 1

## Asignación de Redes por Estado/Territorio.

| Región | Nro | Estado / Territorio | Red             | Direcciones utilizables | Notación Decimal   | Notación Binaria    |                     |                   |                             |
|--------|-----|---------------------|-----------------|-------------------------|--------------------|---------------------|---------------------|-------------------|-----------------------------|
|        |     |                     |                 |                         |                    | Región              | Estado / Territorio | Host's            |                             |
| SAM    | 1   | Argentina           | 10.0.0.0 / 19   | Primera                 | 10 . 0 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 0 0 0   | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 0 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 0 0 0   | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 2   | Chile               | 10.0.32.0 / 19  | Primera                 | 10 . 0 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 0 0 1   | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 0 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 0 0 1   | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 3   | Brasil              | 10.0.64.0 / 19  | Primera                 | 10 . 0 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 0 1 0   | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 0 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 0 1 0   | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 4   | Uruguay             | 10.0.96.0 / 19  | Primera                 | 10 . 0 . 96 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 0 1 1   | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 0 . 127 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 0 1 1   | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 5   | Paraguay            | 10.0.128.0 / 19 | Primera                 | 10 . 0 . 128 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 1 0 0   | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 0 . 159 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 1 0 0   | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 6   | Bolivia             | 10.0.160.0 / 19 | Primera                 | 10 . 0 . 160 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 1 0 1   | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 0 . 191 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 1 0 1   | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 7   | Peru                | 10.0.192.0 / 19 | Primera                 | 10 . 0 . 192 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 1 1 0   | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 0 . 223 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 1 1 0   | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 8   | Ecuador             | 10.0.224.0 / 19 | Primera                 | 10 . 0 . 224 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 1 1 1   | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 0 . 255 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 . 1 1 1   | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 9   | Colombia            | 10.1.0.0 / 19   | Primera                 | 10 . 1 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 1 . 0 0 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 1 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 1 . 0 0 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 10  | Venezuela           | 10.1.32.0 / 19  | Primera                 | 10 . 1 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 1 . 0 0 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 1 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 1 . 0 0 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 11  | Guyana              | 10.1.64.0 / 19  | Primera                 | 10 . 1 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 1 . 0 1 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                     |                 | -                       | -                  | -                   | -                   | -                 | -                           |
|        |     |                     |                 | Ultima                  | 10 . 1 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 0 0             | 0 0 0 0 1 . 0 1 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |

Asignación de Redes por Estado/Territorio.

| Región | Nro          | Estado / Territorio      | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |         |         |                     |             |                 |        |  |  |  |  |  |
|--------|--------------|--------------------------|------------------|-------------------------|---------------------|-------------------|---------|---------|---------------------|-------------|-----------------|--------|--|--|--|--|--|
|        |              |                          |                  |                         |                     | Región            |         |         | Estado / Territorio |             |                 | Host's |  |  |  |  |  |
| SAM    | 12           | Surinam                  | 10.1.96.0 / 19   | Primera                 | 10 . 1 . 96 . 1     | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 0 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | Ultima                  | 10 . 1 . 127 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 0 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 13           | Guyana Francesa (France) | 10.1.128.0 / 19  | Primera                 | 10 . 1 . 128 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 1 0 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | Ultima                  | 10 . 1 . 159 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 1 0 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | -            | VACANTE                  | 10.1.160.0 / 19  | Primera                 | 10 . 1 . 160 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 1 0 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | Ultima                  | 10 . 1 . 191 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 1 0 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | -            | VACANTE                  | 10.1.192.0 / 19  | Primera                 | 10 . 1 . 192 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 1 1 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | Ultima                  | 10 . 1 . 223 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 1 1 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | -            | VACANTE                  | 10.1.224.0 / 19  | Primera                 | 10 . 1 . 224 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 1 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | Ultima                  | 10 . 1 . 255 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 0 1 | 1 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | -            | VACANTE                  | 10.2.0.0 / 19    | Primera                 | 10 . 2 . 0 . 1      | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 1 0 | 0 0 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | Ultima                  | 10 . 2 . 31 . 254   | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 0 0 1 0 | 0 0 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | -            | -                        | -                | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        | -            | -                        | -                | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        | -            | -                        | -                | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        | 128 (ULTIMA) | RESERVADA                | 10.15.224.0 / 19 | Primera                 | 10 . 15 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 1 1 1 1 | 1 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -               |        |  |  |  |  |  |
|        |              |                          |                  | Ultima                  | 10 . 15 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 0 | 1 1 1 1 | 1 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |

Asignación de Redes por Estado/Territorio.

| Región  | Nro       | Estado / Territorio  | Red              | Direcciones utilizables | Notación Decimal            | Notación Binaria            |         |                     |                                 |                                   |   |   |   |   |  |
|---------|-----------|----------------------|------------------|-------------------------|-----------------------------|-----------------------------|---------|---------------------|---------------------------------|-----------------------------------|---|---|---|---|--|
|         |           |                      |                  |                         |                             | Región                      |         | Estado / Territorio |                                 | Host's                            |   |   |   |   |  |
| NACC    | 1         | Antigua y Barbuda    | 10.16.0.0 / 19   | Primera                 | 10 . 16 . 0 . 1             | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 0 0                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         |           |                      |                  | Ultima                  | 10 . 16 . 31 . 254          | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 0 0                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         |           |                      |                  | Primera                 | 10 . 16 . 32 . 1            | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 0 0                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         | 2         | Bahamas              | 10.16.32.0 / 19  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         |           |                      |                  | Ultima                  | 10 . 16 . 63 . 254          | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 0 1                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         |           |                      |                  | Primera                 | 10 . 16 . 64 . 1            | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 1 0                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         | 3         | Barbados             | 10.16.64.0 / 19  | Ultima                  | 10 . 16 . 95 . 254          | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 1 0                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         |           |                      |                  | Primera                 | 10 . 16 . 96 . 1            | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 1 1                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         |           |                      |                  | Ultima                  | 10 . 16 . 127 . 254         | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 1 1                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         | 4         | Belize               | 10.16.96.0 / 19  | Primera                 | 10 . 16 . 128 . 1           | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 0 0                         | 1 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |   |   |   |   |  |
|         |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         |           |                      |                  | Ultima                  | 10 . 16 . 127 . 254         | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 1 1                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         |           |                      |                  | Primera                 | 10 . 16 . 128 . 1           | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 0 0 0                         | 1 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |   |   |   |   |  |
|         | 5         | Canada               | 10.16.128.0 / 19 | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         |           |                      |                  | Ultima                  | 10 . 16 . 159 . 254         | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 1 0 0                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         |           |                      |                  | Primera                 | 10 . 16 . 160 . 1           | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 1 0 1                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         | 6         | Costa Rica           | 10.16.160.0 / 19 | Ultima                  | 10 . 16 . 191 . 254         | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 1 0 1                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         |           |                      |                  | Primera                 | 10 . 16 . 192 . 1           | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 1 1 0                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         |           |                      |                  | Ultima                  | 10 . 16 . 223 . 254         | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 1 1 0                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         | 7         | Cuba                 | 10.16.192.0 / 19 | Primera                 | 10 . 16 . 224 . 1           | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1 | 0 0 0 0             | 0 1 1 1                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         |           |                      |                  | Ultima                  | 10 . 16 . 223 . 254         | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 1 1 0                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         |           |                      |                  | Primera                 | 10 . 16 . 224 . 1           | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1 | 0 0 0 0             | 0 1 1 1                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         | 8         | Republica Dominicana | 10.16.224.0 / 19 | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         |           |                      |                  | Ultima                  | 10 . 16 . 255 . 254         | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 0 | 0 0 0 0             | 0 1 1 1                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
|         |           |                      |                  | Primera                 | 10 . 17 . 0 . 1             | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1 | 0 0 0 1             | 0 0 0 0                         | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1   |   |   |   |   |  |
|         |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - | - |  |
|         | 9         | El Salvador          | 10.17.0.0 / 19   | Ultima                  | 10 . 17 . 31 . 254          | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1 | 0 0 0 1             | 0 0 0 0                         | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0     |   |   |   |   |  |
| Primera |           |                      |                  | 10 . 17 . 32 . 1        | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1                     | 0 0 0 1 | 0 0 0 1             | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |                                   |   |   |   |   |  |
| -       |           |                      |                  | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - |   |  |
| Ultima  |           |                      |                  | 10 . 17 . 63 . 254      | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1                     | 0 0 0 1 | 0 0 0 1             | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0   |                                   |   |   |   |   |  |
| 10      | Granada   | 10.17.32.0 / 19      | Primera          | 10 . 17 . 64 . 1        | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1                     | 0 0 0 1 | 0 0 0 1             | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |                                   |   |   |   |   |  |
|         |           |                      | -                | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - |   |  |
|         |           |                      | Ultima           | 10 . 17 . 95 . 254      | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1                     | 0 0 0 1 | 0 0 0 1             | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0   |                                   |   |   |   |   |  |
|         |           |                      | Primera          | 10 . 17 . 96 . 1        | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1                     | 0 0 0 1 | 0 0 0 1             | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |                                   |   |   |   |   |  |
| 11      | Guatemala | 10.17.64.0 / 19      | -                | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - |   |  |
|         |           |                      | Ultima           | 10 . 17 . 127 . 254     | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1                     | 0 0 0 1 | 0 0 0 1             | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0   |                                   |   |   |   |   |  |
|         |           |                      | Primera          | 10 . 17 . 128 . 1       | 0 0 0 0 0 1 0 1 0 . 0 0 0 1 | 0 0 0 1                     | 0 0 0 1 | 0 0 0 1             | 0 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |                                   |   |   |   |   |  |
|         |           |                      | -                | -                       | -                           | -                           | -       | -                   | -                               | -                                 | - | - | - |   |  |



Asignación de Redes por Estado/Territorio.

| Región | Nro | Estado / Territorio              | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |         |                     |       |             |                 |        |  |  |  |
|--------|-----|----------------------------------|------------------|-------------------------|---------------------|-------------------|---------|---------------------|-------|-------------|-----------------|--------|--|--|--|
|        |     |                                  |                  |                         |                     | Región            |         | Estado / Territorio |       |             |                 | Host's |  |  |  |
| NACC   | 12  | Haiti                            | 10.17.96.0 / 19  | Primera                 | 10 . 17 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 0 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 17 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 0 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 13  | Honduras                         | 10.17.128.0 / 19 | Primera                 | 10 . 17 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 1 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 17 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 1 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 14  | Jamaica                          | 10.17.160.0 / 19 | Primera                 | 10 . 17 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 1 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 17 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 1 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 15  | Mexico                           | 10.17.192.0 / 19 | Primera                 | 10 . 17 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 1 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 17 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 1 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 16  | Nicaragua                        | 10.17.224.0 / 19 | Primera                 | 10 . 17 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 1 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 17 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 0 1 .           | 1 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 17  | Saint Kitts and Nevis            | 10.18.0.0 / 19   | Primera                 | 10 . 18 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 0 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 18 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 0 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 18  | Santa Lucia                      | 10.18.32.0 / 19  | Primera                 | 10 . 18 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 0 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 18 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 0 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 19  | Saint Vincent and the Grenadines | 10.18.64.0 / 19  | Primera                 | 10 . 18 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 0 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 18 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 0 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 20  | Trinidad y Tobago                | 10.18.96.0 / 19  | Primera                 | 10 . 18 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 0 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 18 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 0 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 21  | United States                    | 10.18.128.0 / 19 | Primera                 | 10 . 18 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 1 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 18 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 1 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |
|        | 22  | Martinique (France)              | 10.18.160.0 / 19 | Primera                 | 10 . 18 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 1 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -               |        |  |  |  |
|        |     |                                  |                  | Ultima                  | 10 . 18 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 0 1 0 .           | 1 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |

Asignación de Redes por Estado/Territorio.

| Región | Nro                       | Estado / Territorio         | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |                     |                             |                             |
|--------|---------------------------|-----------------------------|------------------|-------------------------|---------------------|-------------------|---------------------|-----------------------------|-----------------------------|
|        |                           |                             |                  |                         |                     | Región            | Estado / Territorio | Host's                      |                             |
| NACC   | 23                        | Guadalupe (France)          | 10.18.192.0 / 19 | Primera                 | 10 . 18 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 0 . 1 1 0             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | Ultima                  | 10 . 18 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 0 . 1 1 0             | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 24                        | St Martin (France)          | 10.18.224.0 / 19 | Primera                 | 10 . 18 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 0 . 1 1 1             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | Ultima                  | 10 . 18 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 0 . 1 1 1             | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 25                        | St. Barthelemy (France)     | 10.19.0.0 / 19   | Primera                 | 10 . 19 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 0 0 0             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | Ultima                  | 10 . 19 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 0 0 0             | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 26                        | Aruba (Netherlands)         | 10.19.32.0 / 19  | Primera                 | 10 . 19 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 0 0 1             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | Ultima                  | 10 . 19 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 0 0 1             | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 27                        | Curacao (Netherlands)       | 10.19.64.0 / 19  | Primera                 | 10 . 19 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 0 1 0             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | Ultima                  | 10 . 19 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 0 1 0             | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 28                        | Bonaire (Netherlands)       | 10.19.96.0 / 19  | Primera                 | 10 . 19 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 0 1 1             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | Ultima                  | 10 . 19 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 0 1 1             | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 29                        | St. Maarten (Netherlands)   | 10.19.128.0 / 19 | Primera                 | 10 . 19 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 1 0 0             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | Ultima                  | 10 . 19 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 1 0 0             | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 30                        | Saba (Netherlands)          | 10.19.160.0 / 19 | Primera                 | 10 . 19 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 1 0 1             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | -                       | -                   | -                 | -                   | -                           | -                           |
|        |                           |                             |                  | Ultima                  | 10 . 19 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 1 0 1             | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 31                        | St. Eustatius (Netherlands) | 10.19.192.0 / 19 | Primera                 | 10 . 19 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1             | 0 0 1 1 . 1 1 0             | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
| -      |                           |                             |                  | -                       | -                   | -                 | -                   | -                           |                             |
| -      |                           |                             |                  | -                       | -                   | -                 | -                   | -                           |                             |
| Ultima |                           |                             |                  | 10 . 19 . 192 . 254     | 0 0 0 0 1 0 1 0 .   | 0 0 0 1           | 0 0 1 1 . 1 1 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |                             |
| 32     | Anguilla (United Kingdom) | 10.19.224.0 / 19            | Primera          | 10 . 19 . 224 . 1       | 0 0 0 0 1 0 1 0 .   | 0 0 0 1           | 0 0 1 1 . 1 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |                             |
|        |                           |                             | -                | -                       | -                   | -                 | -                   | -                           |                             |
|        |                           |                             | -                | -                       | -                   | -                 | -                   | -                           |                             |
|        |                           |                             | Ultima           | 10 . 19 . 255 . 254     | 0 0 0 0 1 0 1 0 .   | 0 0 0 1           | 0 0 1 1 . 1 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |                             |
| 33     | Bermuda (United Kingdom)  | 10.20.0.0 / 19              | Primera          | 10 . 20 . 0 . 1         | 0 0 0 0 1 0 1 0 .   | 0 0 0 1           | 0 1 0 0 - 0 0 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |                             |
|        |                           |                             | -                | -                       | -                   | -                 | -                   | -                           |                             |
|        |                           |                             | -                | -                       | -                   | -                 | -                   | -                           |                             |
|        |                           |                             | Ultima           | 10 . 20 . 0 . 254       | 0 0 0 0 1 0 1 0 .   | 0 0 0 1           | 0 1 0 0 - 0 0 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |                             |

## Asignación de Redes por Estado/Territorio.

| Región | Nro          | Estado / Territorio                       | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |         |         |         |                     |                     |  |  |        |  |  |  |  |  |  |  |
|--------|--------------|---|------------------|-------------------------|---------------------|-------------------|---------|---------|---------|---------------------|---------------------|--|--|--------|--|--|--|--|--|--|--|
|        |              |   |                  |                         |                     | Región            |         |         |         | Estado / Territorio |                     |  |  | Host's |  |  |  |  |  |  |  |
| NACC   | 34           | British Virgin Islands (United Kingdom)   | 10.20.32.0 / 19  | Primera                 | 10 . 20 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 0 0 1 | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | Ultima                  | 10 . 20 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 0 0 1 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |  |        |  |  |  |  |  |  |  |
|        | 35           | Cayman Islands (United Kingdom)           | 10.20.64.0 / 19  | Primera                 | 10 . 20 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 0 1 0 | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | Ultima                  | 10 . 20 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 0 1 0 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |  |        |  |  |  |  |  |  |  |
|        | 36           | Montserrat (United Kingdom)               | 10.20.96.0 / 19  | Primera                 | 10 . 20 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 0 1 1 | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | Ultima                  | 10 . 20 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 0 1 1 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |  |        |  |  |  |  |  |  |  |
|        | 37           | Turks and Caicos Islands (United Kingdom) | 10.20.128.0 / 19 | Primera                 | 10 . 20 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 1 0 0 | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | Ultima                  | 10 . 20 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 1 0 0 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |  |        |  |  |  |  |  |  |  |
|        | 38           | Puerto Rico (United States)               | 10.20.160.0 / 19 | Primera                 | 10 . 20 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 1 0 1 | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | Ultima                  | 10 . 20 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 1 0 1 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |  |        |  |  |  |  |  |  |  |
|        | 39           | Virgin Islands (United States)            | 10.20.192.0 / 19 | Primera                 | 10 . 20 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 1 1 0 | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | Ultima                  | 10 . 20 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 1 1 0 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |  |        |  |  |  |  |  |  |  |
|        | 40           | VACANTE                                   | 10.20.224.0 / 19 | Primera                 | 10 . 20 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 1 1 1 | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | Ultima                  | 10 . 20 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 0 1 0 0 | - 1 1 1 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |  |        |  |  |  |  |  |  |  |
|        | -            | -   | -                | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        | -            | -   | -                | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        | -            | -   | -                | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        | 126 (ULTIMA) | RESERVADA                                 | 10.31.224.0 / 19 | Primera                 | 10 . 31 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 1 1 1 1 | - 1 1 1 | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | -                       | -                   | -                 | -       | -       | -       | -                   | -                   |  |  |        |  |  |  |  |  |  |  |
|        |              |   |                  | Ultima                  | 10 . 31 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 0 1 | 1 1 1 1 | - 1 1 1 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |  |        |  |  |  |  |  |  |  |

Asignación de Redes por Estado/Territorio.

| Región | Nro | Estado / Territorio                   | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria    |         |                     |       |             |                   |                   |   |  |  |
|--------|-----|---------------------------------------|------------------|-------------------------|---------------------|---------------------|---------|---------------------|-------|-------------|-------------------|-------------------|---|--|--|
|        |     |                                       |                  |                         |                     | Región              |         | Estado / Territorio |       |             |                   | Host's            |   |  |  |
| APAC   | 1   | Australia                             | 10.32.0.0 / 19   | Primera                 | 10 . 32 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 0 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 .     | 0 0 0 0 0 0 0 0 1 |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 32 . 15 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 0 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 2   | Bangladesh                            | 10.32.32.0 / 19  | Primera                 | 10 . 32 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 0 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 .     | 0 0 0 0 0 0 0 0 1 |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 32 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 0 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 3   | Bhutan                                | 10.32.64.0 / 19  | Primera                 | 10 . 32 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 0 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 32 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 0 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 4   | Brunei Darussalam                     | 10.32.96.0 / 19  | Primera                 | 10 . 32 . 96 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 0 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 32 . 127 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 0 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 5   | Cambodia                              | 10.32.128.0 / 19 | Primera                 | 10 . 32 . 128 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 1 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 32 . 159 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 1 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 6   | China                                 | 10.32.160.0 / 19 | Primera                 | 10 . 32 . 160 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 1 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 32 . 191 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 1 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 7   | Cook Islands                          | 10.32.192.0 / 19 | Primera                 | 10 . 32 . 192 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 1 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 32 . 223 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 1 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 8   | Cook Islands                          | 10.32.224.0 / 19 | Primera                 | 10 . 32 . 224 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 1 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 32 . 255 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 0 .           | 1 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 9   | Democratic people's Republic of Korea | 10.33.0.0 / 19   | Primera                 | 10 . 33 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 .           | 0 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 33 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 .           | 0 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 10  | Fiji                                  | 10.33.32.0 / 19  | Primera                 | 10 . 33 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 .           | 0 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 33 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 .           | 0 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |
|        | 11  | India                                 | 10.33.64.0 / 19  | Primera                 | 10 . 33 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 .           | 0 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |                   |   |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | -                       | -                   | -                   | -       | -                   | -     | -           | -                 | -                 | - |  |  |
|        |     |                                       |                  | Ultima                  | 10 . 33 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 .           | 0 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |                   |   |  |  |

## Asignación de Redes por Estado/Territorio.

| Región | Nro     | Estado / Territorio              | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |         |         |           |                     |                   |                     |  |        |  |  |  |  |  |  |  |
|--------|---------|----------------------------------|------------------|-------------------------|---------------------|-------------------|---------|---------|-----------|---------------------|-------------------|---------------------|--|--------|--|--|--|--|--|--|--|
|        |         |                                  |                  |                         |                     | Región            |         |         |           | Estado / Territorio |                   |                     |  | Host's |  |  |  |  |  |  |  |
| APAC   | 12      | Indonesia                        | 10.33.96.0 / 19  | Primera                 | 10 . 33 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 0 1 1     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | Ultima                  | 10 . 33 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 0 1 1     | 1 1 1 1 1           | 1 1 1 1 1 1 1 1 0 |                     |  |        |  |  |  |  |  |  |  |
|        | 13      | Japan                            | 10.33.128.0 / 19 | Primera                 | 10 . 33 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 1 0 0     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 1   |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | Ultima                  | 10 . 33 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 1 0 0     | 1 1 1 1 1           | 1 1 1 1 1 1 1 1 0 |                     |  |        |  |  |  |  |  |  |  |
|        | 14      | Kiribati                         | 10.33.160.0 / 19 | Primera                 | 10 . 33 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 1 0 1     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 1   |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | Ultima                  | 10 . 33 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 1 0 1     | 1 1 1 1 1           | 1 1 1 1 1 1 1 1 0 |                     |  |        |  |  |  |  |  |  |  |
|        | 15      | Lao People's Democratic Republic | 10.33.192.0 / 19 | Primera                 | 10 . 33 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 1 1 0     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 1   |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | Ultima                  | 10 . 33 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 1 1 0     | 1 1 1 1 1           | 1 1 1 1 1 1 1 1 0 |                     |  |        |  |  |  |  |  |  |  |
|        | 16      | Malaysia                         | 10.33.224.0 / 19 | Primera                 | 10 . 33 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 1 1 1     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 1   |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | Ultima                  | 10 . 33 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 0 1 | 1 1 1     | 1 1 1 1 1           | 1 1 1 1 1 1 1 1 0 |                     |  |        |  |  |  |  |  |  |  |
|        | 17      | Maldives                         | 10.34.0.0 / 19   | Primera                 | 10 . 34 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 1 0 | 0 0 0     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 1   |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | Ultima                  | 10 . 34 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 1 0 | 0 0 0     | 1 1 1 1 1           | 1 1 1 1 1 1 1 1 0 |                     |  |        |  |  |  |  |  |  |  |
|        | 18      | Marshall Islands                 | 10.34.32.0 / 19  | Primera                 | 10 . 34 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 1 0 | 0 0 1     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 1   |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | Ultima                  | 10 . 34 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 1 0 | 0 0 1     | 1 1 1 1 1           | 1 1 1 1 1 1 1 1 0 |                     |  |        |  |  |  |  |  |  |  |
|        | 19      | Micronesia                       | 10.34.64.0 / 19  | Primera                 | 10 . 34 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 1 0 | 0 1 0     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 1   |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         | -                   |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  |                  | Ultima                  | 10 . 34 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 1 0 | 0 1 0     | 1 1 1 1 1           | 1 1 1 1 1 1 1 1 0 |                     |  |        |  |  |  |  |  |  |  |
|        | 20      | Mongolia                         | 10.34.96.0 / 19  | Primera                 | 10 . 34 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 1 0 | 0 1 1     | 0 0 0 0 0           | 0 0 0 0 0 0       | 0 0 0 0 0 0 0 0 1   |  |        |  |  |  |  |  |  |  |
| -      |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         |                     |                   |                     |  |        |  |  |  |  |  |  |  |
| -      |         |                                  |                  | -                       | -                   | -                 | -       | -       | -         |                     |                   |                     |  |        |  |  |  |  |  |  |  |
| Ultima |         |                                  |                  | 10 . 34 . 127 . 254     | 0 0 0 0 1 0 1 0 .   | 0 0 1 0           | 0 0 1 0 | 0 1 1   | 1 1 1 1 1 | 1 1 1 1 1 1 1 1 0   |                   |                     |  |        |  |  |  |  |  |  |  |
| 21     | Myanmar | 10.34.128.0 / 19                 | Primera          | 10 . 34 . 128 . 1       | 0 0 0 0 1 0 1 0 .   | 0 0 1 0           | 0 0 1 0 | 1 0 0   | 0 0 0 0 0 | 0 0 0 0 0 0         | 0 0 0 0 0 0 0 0 1 |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  | -                | -                       | -                   | -                 | -       | -       | -         |                     |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  | -                | -                       | -                   | -                 | -       | -       | -         |                     |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  | Ultima           | 10 . 34 . 159 . 254     | 0 0 0 0 1 0 1 0 .   | 0 0 1 0           | 0 0 1 0 | 1 0 0   | 1 1 1 1 1 | 1 1 1 1 1 1 1 1 0   |                   |                     |  |        |  |  |  |  |  |  |  |
| 22     | Nauru   | 10.34.160.0 / 19                 | Primera          | 10 . 34 . 160 . 1       | 0 0 0 0 1 0 1 0 .   | 0 0 1 0           | 0 0 1 0 | 1 0 1   | 0 0 0 0 0 | 0 0 0 0 0 0         | 0 0 0 0 0 0 0 0 1 |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  | -                | -                       | -                   | -                 | -       | -       | -         |                     |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  | -                | -                       | -                   | -                 | -       | -       | -         |                     |                   |                     |  |        |  |  |  |  |  |  |  |
|        |         |                                  | Ultima           | 10 . 34 . 191 . 254     | 0 0 0 0 1 0 1 0 .   | 0 0 1 0           | 0 0 1 0 | 1 0 1   | 1 1 1 1 1 | 1 1 1 1 1 1 1 1 0   |                   |                     |  |        |  |  |  |  |  |  |  |

Asignación de Redes por Estado/Territorio.

| Región | Nro | Estado / Territorio | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria    |         |         |                     |             |                 |        |  |  |  |  |  |
|--------|-----|---------------------|------------------|-------------------------|---------------------|---------------------|---------|---------|---------------------|-------------|-----------------|--------|--|--|--|--|--|
|        |     |                     |                  |                         |                     | Región              |         |         | Estado / Territorio |             |                 | Host's |  |  |  |  |  |
| APAC   | 23  | Nepal               | 10.34.192.0 / 19 | Primera                 | 10 . 34 . 192 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 0 | 0 0 1 0 | 1 1 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 34 . 223 . 254 | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 0 | 1 1 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 24  | New Zealand         | 10.34.224.0 / 19 | Primera                 | 10 . 34 . 224 . 1   | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 0 | 1 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 34 . 255 . 254 | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 0 | 1 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 25  | Palau               | 10.35.0.0 / 19   | Primera                 | 10 . 35 . 0 . 1     | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 0 0 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 35 . 31 . 254  | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 0 0 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 26  | Papua New Guinea    | 10.35.32.0 / 19  | Primera                 | 10 . 35 . 32 . 1    | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 0 0 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 35 . 63 . 254  | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 0 0 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 27  | Philippines         | 10.35.64.0 / 19  | Primera                 | 10 . 35 . 64 . 1    | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 0 1 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 35 . 95 . 254  | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 0 1 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 28  | Republic of Korea   | 10.35.96.0 / 19  | Primera                 | 10 . 35 . 96 . 1    | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 0 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 35 . 127 . 254 | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 0 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 29  | Samoa               | 10.35.128.0 / 19 | Primera                 | 10 . 35 . 128 . 1   | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 1 0 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 35 . 159 . 254 | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 1 0 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 30  | Singapore           | 10.35.160.0 / 19 | Primera                 | 10 . 35 . 160 . 1   | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 1 0 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 35 . 191 . 254 | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 1 0 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 31  | Solomon Islands     | 10.35.192.0 / 19 | Primera                 | 10 . 35 . 192 . 1   | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 1 1 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 35 . 223 . 254 | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 1 1 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 32  | Sri Lanka           | 10.35.224.0 / 19 | Primera                 | 10 . 35 . 224 . 1   | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 1 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 35 . 255 . 254 | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 0 1 1 | 1 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |
|        | 33  | Thailand            | 10.36.0.0 / 19   | Primera                 | 10 . 36 . 0 . 1     | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 1 0 0 | 0 0 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -       | -                   | -           |                 |        |  |  |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 36 . 31 . 254  | 0 0 0 0 1 0 1 0 .   | 0 0 1 0 | 0 1 0 0 | 0 0 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |        |  |  |  |  |  |

## Asignación de Redes por Estado/Territorio.

| Región | Nro | Estado / Territorio                 | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria          |                     |        |                             |   |
|--------|-----|-------------------------------------|------------------|-------------------------|---------------------|---------------------------|---------------------|--------|-----------------------------|---|
|        |     |                                     |                  |                         |                     | Región                    | Estado / Territorio | Host's |                             |   |
| APAC   | 34  | Timor leste                         | 10.36.32.0 / 19  | Primera                 | 10 . 36 . 32 . 1    | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 36 . 63 . 254  | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 35  | Tonga                               | 10.36.64.0 / 19  | Primera                 | 10 . 36 . 64 . 1    | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 36 . 95 . 254  | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 36  | Vanuatu                             | 10.36.96.0 / 19  | Primera                 | 10 . 36 . 96 . 1    | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 36 . 127 . 254 | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 37  | Viet Nam                            | 10.36.128.0 / 19 | Primera                 | 10 . 36 . 128 . 1   | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 36 . 159 . 254 | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 38  | Isla de Pascua (Chile)              | 10.36.160.0 / 19 | Primera                 | 10 . 36 . 160 . 1   | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 36 . 191 . 254 | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 39  | Polynesia Francesa (Francia)        | 10.36.192.0 / 19 | Primera                 | 10 . 36 . 192 . 1   | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 36 . 223 . 254 | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 40  | New Caledonia (Francia)             | 10.36.224.0 / 19 | Primera                 | 10 . 36 . 224 . 1   | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 36 . 255 . 254 | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 0             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 41  | Wallis and Futuna Islands (Francia) | 10.37.0.0 / 19   | Primera                 | 10 . 37 . 0 . 1     | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 1             | 0 0 0  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 37 . 31 . 254  | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 1             | 0 0 0  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 42  | Niue (New Zealand)                  | 10.37.32.0 / 19  | Primera                 | 10 . 37 . 32 . 1    | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 1             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 37 . 63 . 254  | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 1             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 43  | Pitcairn Island (United Kingdom)    | 10.37.64.0 / 19  | Primera                 | 10 . 37 . 64 . 1    | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 1             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 37 . 95 . 254  | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 1             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |
|        | 44  | American Samoa (United States)      | 10.37.96.0 / 19  | Primera                 | 10 . 37 . 96 . 1    | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 1             | 0 0 1  | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |   |
|        |     |                                     |                  | -                       | -                   | -                         | -                   | -      | -                           | - |
|        |     |                                     |                  | Ultima                  | 10 . 37 . 127 . 254 | 0 0 0 0 1 0 1 0 . 0 0 1 0 | 0 1 0 1             | 0 0 1  | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |   |

Asignación de Redes por Estado/Territorio.

| Región | Nro          | Estado / Territorio                          | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |                     |                 |                             |
|--------|--------------|--|------------------|-------------------------|---------------------|-------------------|---------------------|-----------------|-----------------------------|
|        |              |  |                  |                         |                     | Región            | Estado / Territorio | Host's          |                             |
| APAC   | 45           | Guam (United States)                         | 10.37.128.0 / 19 | Primera                 | 10 . 37 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 0 1 . 1 0 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | Ultima                  | 10 . 37 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 0 1 . 1 0 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 46           | Johnston Island Kingman Reef (United States) | 10.37.160.0 / 19 | Primera                 | 10 . 37 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 0 1 . 1 0 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | Ultima                  | 10 . 37 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 0 1 . 1 0 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 47           | Midway (United States)                       | 10.37.192.0 / 19 | Primera                 | 10 . 37 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 0 1 . 1 1 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | Ultima                  | 10 . 37 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 0 1 . 1 1 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 48           | Northern Mariana Islands (United States)     | 10.37.224.0 / 19 | Primera                 | 10 . 37 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 0 1 . 1 1 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | Ultima                  | 10 . 37 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 0 1 . 1 1 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 49           | Palmyra (United States)                      | 10.38.0.0 / 19   | Primera                 | 10 . 38 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 1 0 . 0 0 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | Ultima                  | 10 . 38 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 1 0 . 0 0 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 50           | Wake Island (United States)                  | 10.38.32.0 / 19  | Primera                 | 10 . 38 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 1 0 . 0 0 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | Ultima                  | 10 . 38 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 1 0 . 0 0 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 51           | VACANTE                                      | 10.38.64.0 / 19  | Primera                 | 10 . 38 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 1 0 . 0 1 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | Ultima                  | 10 . 38 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 0 1 1 0 . 0 1 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | -            | -  | -                | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        | -            | -  | -                | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        | -            | -  | -                | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        | 128 (ULTIMA) | RESERVADA                                    | 10.47.224.0 / 19 | -                       | 10 . 47 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 1 1 1 1 . 1 1 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |  |                  | -                       | -                   | -                 | -                   | -               | -                           |
|        |              |  |                  | -                       | 10 . 47 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 0             | 1 1 1 1 . 1 1 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |



## Asignación de Redes por Estado/Territorio.

| Región | Nro | Estado / Territorio      | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria    |                     |                 |                               |
|--------|-----|--------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------------------------|
|        |     |                          |                  |                         |                     | Región              | Estado / Territorio | Host's          |                               |
| MID    | 1   | Afghanistan              | 10.48.0.0 / 19   | Primera                 | 10 . 48 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 0 0 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 48 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 0 0 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 2   | Bahrain                  | 10.48.32.0 / 19  | Primera                 | 10 . 48 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 0 0 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 48 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 0 0 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 3   | Egypt                    | 10.48.64.0 / 19  | Primera                 | 10 . 48 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 0 1 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 48 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 0 1 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 4   | Islamic Republic of Iran | 10.48.96.0 / 19  | Primera                 | 10 . 48 . 96 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 0 1 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 48 . 127 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 0 1 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 5   | Iraq                     | 10.48.128.0 / 19 | Primera                 | 10 . 48 . 128 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 1 0 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 48 . 159 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 1 0 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 6   | Israel                   | 10.48.160.0 / 19 | Primera                 | 10 . 48 . 160 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 1 0 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 48 . 191 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 1 0 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 7   | Jordan                   | 10.48.192.0 / 19 | Primera                 | 10 . 48 . 192 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 1 1 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 48 . 223 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 1 1 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 8   | Kuwait                   | 10.48.224.0 / 19 | Primera                 | 10 . 48 . 224 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 1 1 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 48 . 255 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 0 . 1 1 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 9   | Lebanon                  | 10.49.0.0 / 19   | Primera                 | 10 . 49 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 1 . 0 0 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 49 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 1 . 0 0 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 10  | Libyan Arab Jamahiriya   | 10.49.32.0 / 19  | Primera                 | 10 . 49 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 1 . 0 0 1 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 49 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 1 . 0 0 1 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |
|        | 11  | Oman                     | 10.49.64.0 / 19  | Primera                 | 10 . 49 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 1 . 0 1 0 | 0 0 0 0 0 . 0 0 0 0 0 0 0 0 1 |
|        |     |                          |                  | -                       | -                   | -                   | -                   | -               | -                             |
|        |     |                          |                  | Ultima                  | 10 . 49 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 0 1 1             | 0 0 0 1 . 0 1 0 | 1 1 1 1 1 . 1 1 1 1 1 1 1 1 0 |

Asignación de Redes por Estado/Territorio.

| Región | Nro          | Estado / Territorio  | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |         |         |       |             |                     |                     |  |  |  |        |  |  |  |  |
|--------|--------------|----------------------|------------------|-------------------------|---------------------|-------------------|---------|---------|-------|-------------|---------------------|---------------------|--|--|--|--------|--|--|--|--|
|        |              |                      |                  |                         |                     | Región            |         |         |       |             | Estado / Territorio |                     |  |  |  | Host's |  |  |  |  |
| MID    | 12           | Pakistan             | 10.49.96.0 / 19  | Primera                 | 10 . 49 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 0 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 49 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 0 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |
|        | 13           | Qatar                | 10.49.128.0 / 19 | Primera                 | 10 . 49 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 1 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 49 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 1 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |
|        | 14           | Saudi Arabia         | 10.49.160.0 / 19 | Primera                 | 10 . 49 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 1 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 49 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 1 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |
|        | 16           | Sudan                | 10.49.192.0 / 19 | Primera                 | 10 . 49 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 1 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 49 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 1 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |
|        | 17           | Syrian Arab Republic | 10.49.224.0 / 19 | Primera                 | 10 . 49 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 1 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 49 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 0 1 | 1 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |
|        | 18           | United Arab Emirates | 10.50.0.0 / 19   | Primera                 | 10 . 50 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 1 0 | 0 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 50 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 1 0 | 0 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |
|        | 19           | Yemen                | 10.50.32.0 / 19  | Primera                 | 10 . 50 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 1 0 | 0 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 50 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 1 0 | 0 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |
|        | 20           | VACANTE              | 10.50.64.0 / 19  | Primera                 | 10 . 50 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 1 0 | 0 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 50 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 0 0 1 0 | 0 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |
|        | -            | -                    | -                | -                       | -                   | -                 | -       | -       | -     | -           | -                   | -                   |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           | -                   | -                   |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           | -                   | -                   |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           | -                   | -                   |  |  |  |        |  |  |  |  |
|        | -            | -                    | -                | -                       | -                   | -                 | -       | -       | -     | -           | -                   | -                   |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           | -                   | -                   |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           | -                   | -                   |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           | -                   | -                   |  |  |  |        |  |  |  |  |
|        | 126 (ULTIMA) | VACANTE              | 10.63.224.0 / 19 | Primera                 | 10 . 63 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 1 1 1 1 | 1 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | -                       | -                   | -                 | -       | -       | -     | -           |                     |                     |  |  |  |        |  |  |  |  |
|        |              |                      |                  | Ultima                  | 10 . 63 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 0 1 1 | 1 1 1 1 | 1 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |  |  |  |        |  |  |  |  |

## Asignación de Redes por Estado/Territorio.

| Región | Nro               | Estado / Territorio              | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria    |         |         |         |                     |                     |                     |  |        |  |  |  |
|--------|-------------------|----------------------------------|------------------|-------------------------|---------------------|---------------------|---------|---------|---------|---------------------|---------------------|---------------------|--|--------|--|--|--|
|        |                   |                                  |                  |                         |                     | Región              |         |         |         | Estado / Territorio |                     |                     |  | Host's |  |  |  |
| WACAF  | 1                 | Benin                            | 10.64.0.0 / 19   | Primera                 | 10 . 64 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0             | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | Ultima                  | 10 . 64 . 31 . 254  | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0             | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |        |  |  |  |
|        | 2                 | Burkina Faso                     | 10.64.32.0 / 19  | Primera                 | 10 . 64 . 32 . 1    | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 1             | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | Ultima                  | 10 . 64 . 63 . 254  | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 1             | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |        |  |  |  |
|        | 3                 | Cameroon                         | 10.64.64.0 / 19  | Primera                 | 10 . 64 . 64 . 1    | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 0             | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | Ultima                  | 10 . 64 . 95 . 254  | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 0             | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |        |  |  |  |
|        | 4                 | Cape Verde                       | 10.64.96.0 / 19  | Primera                 | 10 . 64 . 96 . 1    | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 1             | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | Ultima                  | 10 . 64 . 127 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 1             | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |        |  |  |  |
|        | 5                 | Central African Republic         | 10.64.128.0 / 19 | Primera                 | 10 . 64 . 128 . 1   | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 0             | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | Ultima                  | 10 . 64 . 159 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 0             | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |        |  |  |  |
|        | 6                 | Chad                             | 10.64.160.0 / 19 | Primera                 | 10 . 64 . 160 . 1   | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 0             | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | Ultima                  | 10 . 64 . 191 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 0             | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |        |  |  |  |
|        | 7                 | Congo                            | 10.64.192.0 / 19 | Primera                 | 10 . 64 . 192 . 1   | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 0             | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | Ultima                  | 10 . 64 . 223 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 0             | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |        |  |  |  |
|        | 8                 | Cote de Ivoire                   | 10.64.224.0 / 19 | Primera                 | 10 . 64 . 224 . 1   | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 1             | 1 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   | -                   |                     |  |        |  |  |  |
|        |                   |                                  |                  | Ultima                  | 10 . 64 . 255 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 1 1             | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |  |        |  |  |  |
|        | 9                 | Democratic Republic of the Congo | 10.65.0.0 / 19   | Primera                 | 10 . 65 . 0 . 1     | 0 0 0 0 1 0 1 0 .   | 0 1 0 0 | 0 0 0 0 | 0 0 0 1 | 0 0 0 0             | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |  |        |  |  |  |
| -      |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   |                     |                     |  |        |  |  |  |
| -      |                   |                                  |                  | -                       | -                   | -                   | -       | -       | -       | -                   |                     |                     |  |        |  |  |  |
| Ultima |                   |                                  |                  | 10 . 65 . 31 . 254      | 0 0 0 0 1 0 1 0 .   | 0 1 0 0             | 0 0 0 0 | 0 0 0 1 | 0 0 0 0 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |                     |  |        |  |  |  |
| 10     | Equatorial Guinea | 10.65.32.0 / 19                  | Primera          | 10 . 65 . 32 . 1        | 0 0 0 0 1 0 1 0 .   | 0 1 0 0             | 0 0 0 0 | 0 0 0 1 | 0 0 0 1 | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |                     |  |        |  |  |  |
|        |                   |                                  | -                | -                       | -                   | -                   | -       | -       | -       | -                   |                     |                     |  |        |  |  |  |
|        |                   |                                  | -                | -                       | -                   | -                   | -       | -       | -       | -                   |                     |                     |  |        |  |  |  |
|        |                   |                                  | Ultima           | 10 . 65 . 63 . 254      | 0 0 0 0 1 0 1 0 .   | 0 1 0 0             | 0 0 0 0 | 0 0 0 1 | 0 0 0 1 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |                     |  |        |  |  |  |
| 11     | Gabon             | 10.65.64.0 / 19                  | Primera          | 10 . 65 . 64 . 1        | 0 0 0 0 1 0 1 0 .   | 0 1 0 0             | 0 0 0 0 | 0 0 0 1 | 0 0 1 0 | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 0 1 |                     |  |        |  |  |  |
|        |                   |                                  | -                | -                       | -                   | -                   | -       | -       | -       | -                   |                     |                     |  |        |  |  |  |
|        |                   |                                  | -                | -                       | -                   | -                   | -       | -       | -       | -                   |                     |                     |  |        |  |  |  |
|        |                   |                                  | Ultima           | 10 . 65 . 95 . 254      | 0 0 0 0 1 0 1 0 .   | 0 1 0 0             | 0 0 0 0 | 0 0 0 1 | 0 0 1 0 | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0     |                     |  |        |  |  |  |

Asignación de Redes por Estado/Territorio.

| Región  | Nro                   | Estado / Territorio | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |         |         |             |                     |                     |   |  |  |  |        |  |  |  |  |
|---------|-----------------------|---------------------|------------------|-------------------------|---------------------|-------------------|---------|---------|-------------|---------------------|---------------------|---|--|--|--|--------|--|--|--|--|
|         |                       |                     |                  |                         |                     | Región            |         |         |             |                     | Estado / Territorio |   |  |  |  | Host's |  |  |  |  |
| WACAF   | 12                    | Gambia              | 10.65.96.0 / 19  | Primera                 | 10 . 65 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 1 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Ultima                  | 10 . 65 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 1 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Primera                 | 10 . 65 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 0 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         | 13                    | Ghana               | 10.65.128.0 / 19 | -                       | -                   | -                 | -       | -       | -           | -                   | -                   | - |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Ultima                  | 10 . 65 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 0 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Primera                 | 10 . 65 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 0 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         | 14                    | Guinea              | 10.65.160.0 / 19 | Primera                 | 10 . 65 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 0 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Ultima                  | 10 . 65 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 0 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Primera                 | 10 . 65 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 1 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         | 15                    | Guinea-Bissau       | 10.65.192.0 / 19 | -                       | -                   | -                 | -       | -       | -           | -                   | -                   | - |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Ultima                  | 10 . 65 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 0 | 1 1 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Primera                 | 10 . 65 . 240 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 1 1       | 1 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         | 16                    | Liberia             | 10.65.240.0 / 19 | -                       | -                   | -                 | -       | -       | -           | -                   | -                   | - |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Ultima                  | 10 . 65 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 1 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Primera                 | 10 . 66 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 1 0 | 0 0 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         | 17                    | Mali                | 10.66.0.0 / 19   | Ultima                  | 10 . 66 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 0 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Primera                 | 10 . 66 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 0 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Ultima                  | 10 . 66 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 0 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         | 18                    | Mauritania          | 10.66.32.0 / 19  | Primera                 | 10 . 66 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 1 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Ultima                  | 10 . 66 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 1 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Primera                 | 10 . 66 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 1 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
|         | 19                    | Niger               | 10.66.64.0 / 19  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   | - |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Ultima                  | 10 . 66 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 1 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | Primera                 | 10 . 66 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 0 1 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 1 0   |   |  |  |  |        |  |  |  |  |
|         |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         | 20                    | Nigeria             | 10.66.96.0 / 19  | Primera                 | 10 . 66 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 0 0 | 0 0 0 1 | 1 0 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 0 1 |   |  |  |  |        |  |  |  |  |
| -       |                       |                     |                  | -                       | -                   | -                 | -       | -       | -           | -                   |                     |   |  |  |  |        |  |  |  |  |
| Ultima  |                       |                     |                  | 10 . 66 . 159 . 254     | 0 0 0 0 1 0 1 0 .   | 0 1 0 0           | 0 0 0 1 | 1 0 0   | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |   |  |  |  |        |  |  |  |  |
| Primera |                       |                     |                  | 10 . 66 . 160 . 1       | 0 0 0 0 1 0 1 0 .   | 0 1 0 0           | 0 0 0 1 | 1 0 1   | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |   |  |  |  |        |  |  |  |  |
| 21      | Sao Tome and Principe | 10.66.128.0 / 19    | -                | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         |                       |                     | Ultima           | 10 . 66 . 159 . 254     | 0 0 0 0 1 0 1 0 .   | 0 1 0 0           | 0 0 0 1 | 1 0 0   | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |   |  |  |  |        |  |  |  |  |
|         |                       |                     | Primera          | 10 . 66 . 160 . 1       | 0 0 0 0 1 0 1 0 .   | 0 1 0 0           | 0 0 0 1 | 1 0 1   | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |   |  |  |  |        |  |  |  |  |
|         |                       |                     | -                | -                       | -                   | -                 | -       | -       | -           | -                   |                     |   |  |  |  |        |  |  |  |  |
| 22      | Senegal               | 10.66.160.0 / 19    | -                | -                       | -                   | -                 | -       | -       | -           | -                   | -                   |   |  |  |  |        |  |  |  |  |
|         |                       |                     | Ultima           | 10 . 66 . 191 . 254     | 0 0 0 0 1 0 1 0 .   | 0 1 0 0           | 0 0 0 1 | 1 0 1   | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0   |                     |   |  |  |  |        |  |  |  |  |
|         |                       |                     | Primera          | 10 . 66 . 192 . 1       | 0 0 0 0 1 0 1 0 .   | 0 1 0 0           | 0 0 0 1 | 1 0 1   | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |                     |   |  |  |  |        |  |  |  |  |
|         |                       |                     | -                | -                       | -                   | -                 | -       | -       | -           | -                   |                     |   |  |  |  |        |  |  |  |  |

## Asignación de Redes por Estado/Territorio.

| Región | Nro          | Estado / Territorio | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria          |                     |                             |
|--------|--------------|---------------------|------------------|-------------------------|---------------------|---------------------------|---------------------|-----------------------------|
|        |              |                     |                  |                         |                     | Región                    | Estado / Territorio | Host's                      |
| WACAF  | 23           | Sierra Leone        | 10.66.192.0 / 19 | Primera                 | 10 . 66 . 192 . 1   | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 0 0 1 0 . 1 1 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | Ultima                  | 10 . 66 . 223 . 254 | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 0 0 1 0 . 1 1 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 24           | Togo                | 10.66.224.0 / 19 | Primera                 | 10 . 66 . 224 . 1   | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 0 0 1 0 . 1 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | Ultima                  | 10 . 66 . 255 . 254 | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 0 0 1 0 . 1 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 25           | VACANTE             | 10.67.0.0 / 19   | Primera                 | 10 . 67 . 0 . 1     | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 0 0 1 1 . 0 0 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | Ultima                  | 10 . 67 . 31 . 254  | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 0 0 1 1 . 0 0 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 26           | VACANTE             | 10.67.32.0 / 19  | Primera                 | 10 . 67 . 32 . 1    | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 0 0 1 1 . 0 0 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | Ultima                  | 10 . 67 . 63 . 254  | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 0 0 1 1 . 0 0 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | -            | -                   | -                | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        | -            | -                   | -                | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        | -            | -                   | -                | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        | -            | -                   | -                | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        | -            | -                   | -                | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        | -            | -                   | -                | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        | 128 (ULTIMA) | RESERVADA           | 10.79.224.0 / 19 | Primera                 | 10 . 79 . 224 . 1   | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 1 1 1 1 . 1 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |              |                     |                  | -                       | -                   | -                         | -                   | -                           |
|        |              |                     |                  | Ultima                  | 10 . 79 . 255 . 254 | 0 0 0 0 1 0 1 0 . 0 1 0 0 | 1 1 1 1 . 1 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |

Asignación de Redes por Estado/Territorio.

| Región | Nro | Estado / Territorio | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria    |         |                     |       |               |                     |        |  |  |  |
|--------|-----|---------------------|------------------|-------------------------|---------------------|---------------------|---------|---------------------|-------|---------------|---------------------|--------|--|--|--|
|        |     |                     |                  |                         |                     | Región              |         | Estado / Territorio |       |               |                     | Host's |  |  |  |
| ESAF   | 1   | Angola              | 10.80.0.0 / 19   | Primera                 | 10 . 80 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 0 0 0 | 0 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 80 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 0 0 0 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 2   | Botswana            | 10.80.32.0 / 19  | Primera                 | 10 . 80 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 0 0 1 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 80 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 0 0 1 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 3   | Burundi             | 10.80.64.0 / 19  | Primera                 | 10 . 80 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 0 1 0 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 80 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 0 1 0 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 4   | Comoros             | 10.80.96.0 / 19  | Primera                 | 10 . 80 . 96 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 0 1 1 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 80 . 127 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 0 1 1 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 5   | Djibouti            | 10.80.128.0 / 19 | Primera                 | 10 . 80 . 128 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 1 0 0 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 80 . 159 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 1 0 0 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 6   | Eritrea             | 10.80.160.0 / 19 | Primera                 | 10 . 80 . 160 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 1 0 1 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 80 . 191 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 1 0 1 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 7   | Ethiopia            | 10.80.192.0 / 19 | Primera                 | 10 . 80 . 192 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 1 1 0 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 80 . 223 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 1 1 0 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 8   | Kenya               | 10.80.224.0 / 19 | Primera                 | 10 . 80 . 224 . 1   | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 1 1 1 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 80 . 255 . 254 | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 0 .           | 1 1 1 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 9   | Lesotho             | 10.81.0.0 / 19   | Primera                 | 10 . 81 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 1 .           | 0 0 0 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 81 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 1 .           | 0 0 0 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 10  | Madagascar          | 10.81.32.0 / 19  | Primera                 | 10 . 81 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 1 .           | 0 0 1 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 81 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 1 .           | 0 0 1 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |
|        | 11  | Malawi              | 10.81.64.0 / 19  | Primera                 | 10 . 81 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 1 .           | 0 1 0 | 0 0 0 0 0 .   | 0 0 0 0 0 0 0 0 0 1 |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | -                       | -                   | -                   | -       | -                   | -     | -             |                     |        |  |  |  |
|        |     |                     |                  | Ultima                  | 10 . 81 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . | 0 1 0 1 | 0 0 0 1 .           | 0 1 0 | 1 1 1 1 1 .   | 1 1 1 1 1 1 1 0     |        |  |  |  |

## Asignación de Redes por Estado/Territorio.

| Región | Nro | Estado / Territorio         | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria            |                     |                             |
|--------|-----|-----------------------------|------------------|-------------------------|---------------------|-----------------------------|---------------------|-----------------------------|
|        |     |                             |                  |                         |                     | Región                      | Estado / Territorio | Host's                      |
| ESAF   | 12  | Mauritius                   | 10.81.96.0 / 19  | Primera                 | 10 . 81 . 96 . 1    | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 0 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 81 . 127 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 0 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 13  | Mozambique                  | 10.81.128.0 / 19 | Primera                 | 10 . 81 . 128 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 1 0 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 81 . 159 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 1 0 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 14  | Namibia                     | 10.81.160.0 / 19 | Primera                 | 10 . 81 . 160 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 1 0 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 81 . 191 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 1 0 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 15  | Rwanda                      | 10.81.192.0 / 19 | Primera                 | 10 . 81 . 192 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 1 1 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 81 . 223 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 1 1 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 16  | Seychelles                  | 10.81.224.0 / 19 | Primera                 | 10 . 81 . 224 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 1 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 81 . 255 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 0 1 . 1 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 17  | Somalia                     | 10.82.0.0 / 19   | Primera                 | 10 . 82 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 0 0 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 82 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 0 0 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 18  | South Africa                | 10.82.32.0 / 19  | Primera                 | 10 . 82 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 0 0 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 82 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 0 0 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 19  | Swaziland                   | 10.82.64.0 / 19  | Primera                 | 10 . 82 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 0 1 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 82 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 0 1 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 20  | Uganda                      | 10.82.96.0 / 19  | Primera                 | 10 . 82 . 96 . 1    | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 0 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 82 . 127 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 0 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 21  | United Republic of Tanzania | 10.82.128.0 / 19 | Primera                 | 10 . 82 . 128 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 1 0 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 82 . 159 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 1 0 0     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |
|        | 22  | Zambia                      | 10.82.160.0 / 19 | Primera                 | 10 . 82 . 160 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 1 0 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | -                       | -                   | -                           | -                   | -                           |
|        |     |                             |                  | Ultima                  | 10 . 82 . 191 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 1 0 1     | 1 1 1 1 1 . 1 1 1 1 1 1 1 0 |

Asignación de Redes por Estado/Territorio.

| Región       | Nro     | Estado / Territorio | Red              | Direcciones utilizables | Notación Decimal          | Notación Binaria          |                           |                           |
|--------------|---------|---------------------|------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|              |         |                     |                  |                         |                           | Región                    | Estado / Territorio       | Host's                    |
| ESAF         | 23      | Zimbabwe            | 10.82.192.0 / 19 | Primera                 | 10 . 82 . 192 . 1         | 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 1 1 0           | 0 0 0 0 0 . 0 0 0 0 0 0 1 |
|              |         |                     |                  | -                       | -                         | -                         | -                         |                           |
|              |         |                     |                  | -                       | -                         | -                         | -                         |                           |
|              |         |                     |                  | Ultima                  | 10 . 82 . 223 . 254       | 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 1 1 0           | 1 1 1 1 1 . 1 1 1 1 1 1 0 |
|              | 24      | VACANTE             | 10.82.224.0 / 19 | Primera                 | 10 . 82 . 224 . 1         | 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 1 1 1           | 0 0 0 0 0 . 0 0 0 0 0 0 1 |
|              |         |                     |                  | -                       | -                         | -                         | -                         |                           |
|              |         |                     |                  | -                       | -                         | -                         | -                         |                           |
|              |         |                     |                  | Ultima                  | 10 . 82 . 255 . 254       | 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 0 . 1 1 1           | 1 1 1 1 1 . 1 1 1 1 1 1 0 |
|              | 25      | VACANTE             | 10.83.0.0 / 19   | Primera                 | 10 . 83 . 0 . 1           | 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 1 . 0 0 0           | 0 0 0 0 0 . 0 0 0 0 0 0 1 |
|              |         |                     |                  | -                       | -                         | -                         | -                         |                           |
|              |         |                     |                  | -                       | -                         | -                         | -                         |                           |
|              |         |                     |                  | Ultima                  | 10 . 83 . 31 . 254        | 0 0 0 0 1 0 1 0 . 0 1 0 1 | 0 0 1 1 . 0 0 0           | 1 1 1 1 1 . 1 1 1 1 1 1 0 |
|              | -       | -                   | -                | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              | -       | -                   | -                | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              | -       | -                   | -                | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              | -       | -                   | -                | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
|              |         |                     |                  | -                       | -                         | -                         | -                         | -                         |
| -            | -       | -                   | -                | -                       | -                         | -                         | -                         |                           |
|              |         |                     | -                | -                       | -                         | -                         | -                         |                           |
|              |         |                     | -                | -                       | -                         | -                         | -                         |                           |
|              |         |                     | -                | -                       | -                         | -                         | -                         |                           |
| -            | -       | -                   | -                | -                       | -                         | -                         | -                         |                           |
|              |         |                     | -                | -                       | -                         | -                         | -                         |                           |
|              |         |                     | -                | -                       | -                         | -                         | -                         |                           |
|              |         |                     | -                | -                       | -                         | -                         | -                         |                           |
| 128 (ULTIMA) | VACANTE | 10.95.224.0 / 19    | Primera          | 10 . 95 . 224 . 1       | 0 0 0 0 1 0 1 0 . 0 1 0 1 | 1 1 1 1 . 1 1 1           | 0 0 0 0 0 . 0 0 0 0 0 0 1 |                           |
|              |         |                     | -                | -                       | -                         | -                         | -                         |                           |
|              |         |                     | -                | -                       | -                         | -                         | -                         |                           |
|              |         |                     | Ultima           | 10 . 95 . 255 . 254     | 0 0 0 0 1 0 1 0 . 0 1 0 1 | 1 1 1 1 . 1 1 1           | 1 1 1 1 1 . 1 1 1 1 1 1 0 |                           |



## Asignación de Redes por Estado/Territorio.

| Región  | Nro            | Estado / Territorio    | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |           |           |             |                     |                   |  |  |        |  |  |  |
|---------|----------------|------------------------|------------------|-------------------------|---------------------|-------------------|-----------|-----------|-------------|---------------------|-------------------|--|--|--------|--|--|--|
|         |                |                        |                  |                         |                     | Región            |           |           |             | Estado / Territorio |                   |  |  | Host's |  |  |  |
| EUR/NAT | 1              | Albania                | 10.96.0.0 / 19   | Primera                 | 10 . 96 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 0 0 0       | 0 0 0 0 0 0 .       | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | Ultima                  | 10 . 96 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 0 0 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0   |  |  |        |  |  |  |
|         | 2              | Algeria                | 10.96.32.0 / 19  | Primera                 | 10 . 96 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 0 0 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | Ultima                  | 10 . 96 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 0 0 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0   |  |  |        |  |  |  |
|         | 3              | Andorra                | 10.96.64.0 / 19  | Primera                 | 10 . 96 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 0 1 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | Ultima                  | 10 . 96 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 0 1 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0   |  |  |        |  |  |  |
|         | 4              | Armenia                | 10.96.96.0 / 19  | Primera                 | 10 . 96 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 0 1 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | Ultima                  | 10 . 96 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 0 1 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0   |  |  |        |  |  |  |
|         | 5              | Austria                | 10.96.128.0 / 19 | Primera                 | 10 . 96 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 1 0 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | Ultima                  | 10 . 96 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 1 0 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0   |  |  |        |  |  |  |
|         | 6              | Azerbaijan             | 10.96.160.0 / 19 | Primera                 | 10 . 96 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 1 0 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | Ultima                  | 10 . 96 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 1 0 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0   |  |  |        |  |  |  |
|         | 7              | Belarus                | 10.96.192.0 / 19 | Primera                 | 10 . 96 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 1 1 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | Ultima                  | 10 . 96 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 1 1 0       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0   |  |  |        |  |  |  |
|         | 8              | Bosnia and Herzegovina | 10.96.224.0 / 19 | Primera                 | 10 . 96 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 1 1 1       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | -                       | -                   | -                 | -         | -         | -           | -                   |                   |  |  |        |  |  |  |
|         |                |                        |                  | Ultima                  | 10 . 96 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 0 . | 1 1 1       | 1 1 1 1 1 .         | 1 1 1 1 1 1 1 0   |  |  |        |  |  |  |
|         | 9              | Bulgaria               | 10.97.0.0 / 19   | Primera                 | 10 . 97 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 0 0 1 . | 0 0 0       | 0 0 0 0 0 .         | 0 0 0 0 0 0 0 0 1 |  |  |        |  |  |  |
| -       |                |                        |                  | -                       | -                   | -                 | -         | -         | -           |                     |                   |  |  |        |  |  |  |
| -       |                |                        |                  | -                       | -                   | -                 | -         | -         | -           |                     |                   |  |  |        |  |  |  |
| Ultima  |                |                        |                  | 10 . 97 . 31 . 254      | 0 0 0 0 1 0 1 0 .   | 0 1 1 0           | 0 0 0 1 . | 0 0 0     | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0     |                   |  |  |        |  |  |  |
| 10      | Croatia        | 10.97.32.0 / 19        | Primera          | 10 . 97 . 32 . 1        | 0 0 0 0 1 0 1 0 .   | 0 1 1 0           | 0 0 0 1 . | 0 0 1     | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1   |                   |  |  |        |  |  |  |
|         |                |                        | -                | -                       | -                   | -                 | -         | -         | -           |                     |                   |  |  |        |  |  |  |
|         |                |                        | -                | -                       | -                   | -                 | -         | -         | -           |                     |                   |  |  |        |  |  |  |
|         |                |                        | Ultima           | 10 . 97 . 63 . 254      | 0 0 0 0 1 0 1 0 .   | 0 1 1 0           | 0 0 0 1 . | 0 0 1     | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0     |                   |  |  |        |  |  |  |
| 11      | Czech Republic | 10.97.64.0 / 19        | Primera          | 10 . 97 . 64 . 1        | 0 0 0 0 1 0 1 0 .   | 0 1 1 0           | 0 0 0 1 . | 0 1 0     | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1   |                   |  |  |        |  |  |  |
|         |                |                        | -                | -                       | -                   | -                 | -         | -         | -           |                     |                   |  |  |        |  |  |  |
|         |                |                        | -                | -                       | -                   | -                 | -         | -         | -           |                     |                   |  |  |        |  |  |  |
|         |                |                        | Ultima           | 10 . 97 . 95 . 254      | 0 0 0 0 1 0 1 0 .   | 0 1 1 0           | 0 0 0 1 . | 0 1 0     | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0     |                   |  |  |        |  |  |  |

Asignación de Redes por Estado/Territorio.

| Región  | Nro | Estado / Territorio | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |         |         |                     |             |                   |        |   |   |  |
|---------|-----|---------------------|------------------|-------------------------|---------------------|-------------------|---------|---------|---------------------|-------------|-------------------|--------|---|---|--|
|         |     |                     |                  |                         |                     | Región            |         |         | Estado / Territorio |             |                   | Host's |   |   |  |
| EUR/NAT | 12  | Denmark             | 10.97.96.0 / 19  | Primera                 | 10 . 97 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 0 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 97 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 0 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 13  | Estonia             | 10.97.128.0 / 19 | Primera                 | 10 . 97 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 1 0 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 97 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 1 0 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 14  | Finland             | 10.97.160.0 / 19 | Primera                 | 10 . 97 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 1 0 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 97 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 1 0 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 15  | France              | 10.97.192.0 / 19 | Primera                 | 10 . 97 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 1 1 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 97 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 1 1 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 16  | Georgia             | 10.97.224.0 / 19 | Primera                 | 10 . 97 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 1 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 97 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 0 1 | 1 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 17  | Germany             | 10.98.0.0 / 19   | Primera                 | 10 . 98 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 0 0 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 98 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 0 0 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 18  | Greece              | 10.98.32.0 / 19  | Primera                 | 10 . 98 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 0 0 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 98 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 0 0 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 19  | Hungary             | 10.98.64.0 / 19  | Primera                 | 10 . 98 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 0 1 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 98 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 0 1 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 20  | Iceland             | 10.98.96.0 / 19  | Primera                 | 10 . 98 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 0 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 98 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 0 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 21  | Ireland             | 10.98.128.0 / 19 | Primera                 | 10 . 98 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 1 0 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 98 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 1 0 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |
|         | 22  | Italy               | 10.98.160.0 / 19 | Primera                 | 10 . 98 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 1 0 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |        |   |   |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -       | -                   | -           | -                 | -      | - | - |  |
|         |     |                     |                  | Ultima                  | 10 . 98 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 | 1 0 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 1 0 |        |   |   |  |

## Asignación de Redes por Estado/Territorio.

| Región  | Nro | Estado / Territorio | Red              | Direcciones utilizables | Notación Decimal    | Notación Binaria  |         |                     |       |             |                   |  |  |  |  |
|---------|-----|---------------------|------------------|-------------------------|---------------------|-------------------|---------|---------------------|-------|-------------|-------------------|--|--|--|--|
|         |     |                     |                  |                         |                     | Región            |         | Estado / Territorio |       | Host's      |                   |  |  |  |  |
| EUR/NAT | 23  | Kazakhstan          | 10.98.192.0 / 19 | Primera                 | 10 . 98 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 .           | 1 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 98 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 .           | 1 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 24  | Kyrgyzstan          | 10.98.224.0 / 19 | Primera                 | 10 . 98 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 .           | 1 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 98 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 0 .           | 1 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 25  | Latvia              | 10.99.0.0 / 19   | Primera                 | 10 . 99 . 0 . 1     | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 0 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 99 . 31 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 0 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 26  | Lithuania           | 10.99.32.0 / 19  | Primera                 | 10 . 99 . 32 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 0 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 99 . 63 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 0 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 27  | Luxemburgo          | 10.99.64.0 / 19  | Primera                 | 10 . 99 . 64 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 0 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 99 . 95 . 254  | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 0 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 28  | Malta               | 10.99.96.0 / 19  | Primera                 | 10 . 99 . 96 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 0 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 99 . 127 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 0 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 29  | Monaco              | 10.99.128.0 / 19 | Primera                 | 10 . 99 . 128 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 1 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 99 . 159 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 1 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 30  | Montenegro          | 10.99.160.0 / 19 | Primera                 | 10 . 99 . 160 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 1 0 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 99 . 191 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 1 0 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 31  | Morocco             | 10.99.192.0 / 19 | Primera                 | 10 . 99 . 192 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 1 1 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 99 . 223 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 1 1 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 32  | Netherlands         | 10.99.224.0 / 19 | Primera                 | 10 . 99 . 224 . 1   | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 1 1 1 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 99 . 255 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 0 1 1 .           | 1 1 1 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |
|         | 33  | Norway              | 10.100.0.0 / 19  | Primera                 | 10 . 100 . 0 . 1    | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 1 0 0 .           | 0 0 0 | 0 0 0 0 0 . | 0 0 0 0 0 0 0 0 1 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | -                       | -                   | -                 | -       | -                   | -     | -           | -                 |  |  |  |  |
|         |     |                     |                  | Ultima                  | 10 . 100 . 31 . 254 | 0 0 0 0 1 0 1 0 . | 0 1 1 0 | 0 1 0 0 .           | 0 0 0 | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0   |  |  |  |  |

Asignación de Redes por Estado/Territorio.

| Región  | Nro    | Estado / Territorio | Red               | Direcciones utilizables | Notación Decimal     | Notación Binaria    |           |                     |             |                 |                 |        |  |  |  |
|---------|--------|---------------------|-------------------|-------------------------|----------------------|---------------------|-----------|---------------------|-------------|-----------------|-----------------|--------|--|--|--|
|         |        |                     |                   |                         |                      | Región              |           | Estado / Territorio |             |                 |                 | Host's |  |  |  |
| EUR/NAT | 34     | Poland              | 10.100.32.0 / 19  | Primera                 | 10 . 100 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . | 0 1 1 0   | 0 1 0 0 .           | 0 0 1       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | Ultima                  | 10 . 100 . 63 . 254  | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 0 0 1       | 1 1 1 1 1 .     | 1 1 1 1 1 1 1 0 |        |  |  |  |
|         | 35     | Portugal            | 10.100.64.0 / 19  | Primera                 | 10 . 100 . 64 . 1    | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 0 1 0       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | Ultima                  | 10 . 100 . 95 . 254  | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 0 1 0       | 1 1 1 1 1 .     | 1 1 1 1 1 1 1 0 |        |  |  |  |
|         | 36     | Republic of Moldova | 10.100.96.0 / 19  | Primera                 | 10 . 100 . 96 . 1    | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 0 1 1       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | Ultima                  | 10 . 100 . 127 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 0 1 1       | 1 1 1 1 1 .     | 1 1 1 1 1 1 1 0 |        |  |  |  |
|         | 37     | Romania             | 10.100.128.0 / 19 | Primera                 | 10 . 100 . 128 . 1   | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 1 0 0       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | Ultima                  | 10 . 100 . 159 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 1 0 0       | 1 1 1 1 1 .     | 1 1 1 1 1 1 1 0 |        |  |  |  |
|         | 38     | Russian federation  | 10.100.160.0 / 19 | Primera                 | 10 . 100 . 160 . 1   | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 1 0 1       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | Ultima                  | 10 . 100 . 191 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 1 0 1       | 1 1 1 1 1 .     | 1 1 1 1 1 1 1 0 |        |  |  |  |
|         | 39     | San Marino          | 10.100.192.0 / 19 | Primera                 | 10 . 100 . 192 . 1   | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 1 1 0       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | Ultima                  | 10 . 100 . 223 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 1 1 0       | 1 1 1 1 1 .     | 1 1 1 1 1 1 1 0 |        |  |  |  |
|         | 40     | Serbia              | 10.100.224.0 / 19 | Primera                 | 10 . 100 . 224 . 1   | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 1 1 1       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | Ultima                  | 10 . 100 . 255 . 254 | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 0 .           | 1 1 1       | 1 1 1 1 1 .     | 1 1 1 1 1 1 1 0 |        |  |  |  |
|         | 41     | Slovakia            | 10.101.0.0 / 19   | Primera                 | 10 . 101 . 0 . 1     | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 1 .           | 0 0 0       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               | -               |        |  |  |  |
|         |        |                     |                   | Ultima                  | 10 . 101 . 31 . 254  | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 1 .           | 0 0 0       | 1 1 1 1 1 .     | 1 1 1 1 1 1 1 0 |        |  |  |  |
|         | 42     | Slovenia            | 10.101.32.0 / 19  | Primera                 | 10 . 101 . 32 . 1    | 0 0 0 0 1 0 1 0 .   | 0 1 1 0   | 0 1 0 1 .           | 0 0 1       | 0 0 0 0 0 .     | 0 0 0 0 0 0 0 1 |        |  |  |  |
| -       |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               |                 |        |  |  |  |
| -       |        |                     |                   | -                       | -                    | -                   | -         | -                   | -           | -               |                 |        |  |  |  |
| Ultima  |        |                     |                   | 10 . 101 . 63 . 254     | 0 0 0 0 1 0 1 0 .    | 0 1 1 0             | 0 1 0 1 . | 0 0 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |                 |        |  |  |  |
| 43      | Spain  | 10.101.64.0 / 19    | Primera           | 10 . 101 . 64 . 1       | 0 0 0 0 1 0 1 0 .    | 0 1 1 0             | 0 1 0 1 . | 0 1 0               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |                 |        |  |  |  |
|         |        |                     | -                 | -                       | -                    | -                   | -         | -                   | -           | -               |                 |        |  |  |  |
|         |        |                     | -                 | -                       | -                    | -                   | -         | -                   | -           | -               |                 |        |  |  |  |
|         |        |                     | Ultima            | 10 . 101 . 95 . 254     | 0 0 0 0 1 0 1 0 .    | 0 1 1 0             | 0 1 0 1 . | 0 1 0               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |                 |        |  |  |  |
| 44      | Sweden | 10.101.96.0 / 19    | Primera           | 10 . 101 . 96 . 1       | 0 0 0 0 1 0 1 0 .    | 0 1 1 0             | 0 1 0 1 . | 0 1 1               | 0 0 0 0 0 . | 0 0 0 0 0 0 0 1 |                 |        |  |  |  |
|         |        |                     | -                 | -                       | -                    | -                   | -         | -                   | -           | -               |                 |        |  |  |  |
|         |        |                     | -                 | -                       | -                    | -                   | -         | -                   | -           | -               |                 |        |  |  |  |
|         |        |                     | Ultima            | 10 . 101 . 127 . 254    | 0 0 0 0 1 0 1 0 .    | 0 1 1 0             | 0 1 0 1 . | 0 1 1               | 1 1 1 1 1 . | 1 1 1 1 1 1 1 0 |                 |        |  |  |  |

Asignación de Redes por Estado/Territorio.

| Región  | Nro          | Estado / Territorio                       | Red               | Direcciones utilizables | Notación Decimal     | Notación Binaria            |                     |                             |
|---------|--------------|---|-------------------|-------------------------|----------------------|-----------------------------|---------------------|-----------------------------|
|         |              |   |                   |                         |                      | Región                      | Estado / Territorio | Host's                      |
| EUR/NAT | 45           | Switzerland                               | 10.101.128.0 / 19 | Primera                 | 10 . 101 . 128 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 0 1 . 1 0 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 101 . 159 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 0 1 . 1 0 0     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | 46           | Tajikistan                                | 10.101.160.0 / 19 | Primera                 | 10 . 101 . 160 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 0 1 . 1 0 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 101 . 191 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 0 1 . 1 0 1     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | 47           | The Former Yugoslav Republic of Macedonia | 10.101.192.0 / 19 | Primera                 | 10 . 101 . 192 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 0 1 . 1 1 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 101 . 223 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 0 1 . 1 1 0     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | 48           | Tunisia                                   | 10.101.224.0 / 19 | Primera                 | 10 . 101 . 224 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 0 1 . 1 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 101 . 255 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 0 1 . 1 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | 49           | Turkey                                    | 10.102.0.0 / 19   | Primera                 | 10 . 102 . 0 . 1     | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 0 0 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 102 . 31 . 254  | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 0 0 0     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | 50           | Turkmenistan                              | 10.102.32.0 / 19  | Primera                 | 10 . 102 . 32 . 1    | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 0 0 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 102 . 63 . 254  | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 0 0 1     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | 51           | Ukraine                                   | 10.102.64.0 / 19  | Primera                 | 10 . 102 . 64 . 1    | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 0 1 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 102 . 95 . 254  | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 0 1 0     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | 52           | United Kingdom                            | 10.102.96.0 / 19  | Primera                 | 10 . 102 . 96 . 1    | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 0 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 102 . 127 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 0 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | 53           | Uzbekistan                                | 10.102.128.0 / 19 | Primera                 | 10 . 102 . 128 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 1 0 0     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 102 . 159 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 0 1 1 0 . 1 0 0     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |
|         | -            | -   | -                 | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         | 128 (ULTIMA) | RESERVADA                                 | 10.111.224.0 / 19 | Primera                 | 10 . 111 . 224 . 1   | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 1 1 1 1 . 1 1 1     | 0 0 0 0 0 . 0 0 0 0 0 0 0 1 |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | -                       | -                    | -                           | -                   | -                           |
|         |              |   |                   | Ultima                  | 10 . 111 . 255 . 254 | 0 0 0 0 0 1 0 1 0 . 0 1 1 0 | 1 1 1 1 . 1 1 1     | 1 1 1 1 1 . 1 1 1 1 1 1 0   |

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# ANEXO 2

Anexo 2

## Enlaces Inter/Intra Regionales correspondientes a la Región SAM

| Red              | Enlace |                   |                        |                        |
|------------------|--------|-------------------|------------------------|------------------------|
|                  | Nro.   | Subred            | Extremos               | Direcciones a utilizar |
| 10.15.224.0 / 19 | 1      | 10.15.224.0 / 30  | Argentina-Bolivia      | -                      |
|                  |        |                   |                        | Argentina              |
|                  |        |                   |                        | Bolivia                |
|                  |        |                   |                        | -                      |
|                  | 2      | 10.15.224.4 / 30  | Argentina-Chile        | -                      |
|                  |        |                   |                        | Argentina              |
|                  |        |                   |                        | Chile                  |
|                  |        |                   |                        | -                      |
|                  | 3      | 10.15.224.8 / 30  | Argentina-Paraguay     | -                      |
|                  |        |                   |                        | Argentina              |
|                  |        |                   |                        | Paraguay               |
|                  |        |                   |                        | -                      |
|                  | 4      | 10.15.224.12 / 30 | Argentina-Peru         | -                      |
|                  |        |                   |                        | Argentina              |
|                  |        |                   |                        | Peru                   |
|                  |        |                   |                        | -                      |
|                  | 5      | 10.15.224.16 / 30 | Argentina-Uruguay      | -                      |
|                  |        |                   |                        | Argentina              |
|                  |        |                   |                        | Uruguay                |
|                  |        |                   |                        | -                      |
|                  | 6      | 10.15.224.20 / 30 | Argentina-AFI          | -                      |
|                  |        |                   |                        | Argentina              |
|                  |        |                   |                        | AFI (Johannesburgo)    |
|                  |        |                   |                        | -                      |
|                  | 7      | 10.15.224.24 / 30 | Brasil-Colombia        | -                      |
|                  |        |                   |                        | Brasil                 |
|                  |        |                   |                        | Colombia               |
|                  |        |                   |                        | -                      |
|                  | 8      | 10.15.224.28 / 30 | Brasil-Guyana          | -                      |
|                  |        |                   |                        | Brasil                 |
|                  |        |                   |                        | Guyana                 |
|                  |        |                   |                        | -                      |
|                  | 9      | 10.15.224.32 / 30 | Brasil-Guyana Francesa | -                      |
|                  |        |                   |                        | Brasil                 |
|                  |        |                   |                        | Guyana Francesa        |
|                  |        |                   |                        | -                      |

Enlaces Inter/Intra Regionales correspondientes a la Región SAM

| Red              | Enlace |                   |                        |                         |
|------------------|--------|-------------------|------------------------|-------------------------|
|                  | Nro.   | Subred            | Extremos               | Direcciones a utilizar  |
| 10.15.224.0 / 19 | 10     | 10.15.224.36 / 30 | Brasil-Peru            | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 36 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 37 / 30 |
|                  | 11     | 10.15.224.40 / 30 | Brasil-Surinam         | Peru                    |
|                  |        |                   |                        | 10 . 15 . 224 . 38 / 30 |
|                  |        |                   |                        | Surinam                 |
|                  |        |                   |                        | 10 . 15 . 224 . 39 / 30 |
|                  | 12     | 10.15.224.44 / 30 | Brasil-Venezuela       | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 40 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 41 / 30 |
|                  | 13     | 10.15.224.48 / 30 | Brasil-AFI (tentativo) | Surinam                 |
|                  |        |                   |                        | 10 . 15 . 224 . 42 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 43 / 30 |
|                  | 14     | 10.15.224.52 / 30 | Brasil-EUR (tentativo) | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 44 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 45 / 30 |
|                  | 15     | 10.15.224.56 / 30 | Brasil-NAM             | Venezuela               |
|                  |        |                   |                        | 10 . 15 . 224 . 46 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 47 / 30 |
|                  | 16     | 10.15.224.60 / 30 | Brasil-Argentina       | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 48 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 49 / 30 |
|                  | 17     | 10.15.224.64 / 30 | Brasil-Bolivia         | AFI (Dakar)             |
|                  |        |                   |                        | 10 . 15 . 224 . 50 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 51 / 30 |
|                  | 18     | 10.15.224.68 / 30 | Brasil-Paraguay        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 52 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 53 / 30 |
|                  |        |                   |                        | EUR (Madrid)            |
|                  |        |                   |                        | 10 . 15 . 224 . 54 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 55 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 56 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 57 / 30 |
|                  |        |                   |                        | NAM(Atlanta)            |
|                  |        |                   |                        | 10 . 15 . 224 . 58 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 59 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 60 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 61 / 30 |
|                  |        |                   |                        | Argentina               |
|                  |        |                   |                        | 10 . 15 . 224 . 62 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 63 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 64 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 65 / 30 |
|                  |        |                   |                        | Bolivia                 |
|                  |        |                   |                        | 10 . 15 . 224 . 66 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 67 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 68 / 30 |
|                  |        |                   |                        | Brasil                  |
|                  |        |                   |                        | 10 . 15 . 224 . 69 / 30 |
|                  |        |                   |                        | Paraguay                |
|                  |        |                   |                        | 10 . 15 . 224 . 70 / 30 |
|                  |        |                   |                        | -                       |
|                  |        |                   |                        | 10 . 15 . 224 . 71 / 30 |

Enlaces Inter/Intra Regionales correspondientes a la Región SAM

| Red              | Enlace |                    |                    |                          |
|------------------|--------|--------------------|--------------------|--------------------------|
|                  | Nro.   | Subred             | Extremos           | Direcciones a utilizar   |
| 10.15.224.0 / 19 | 19     | 10.15.224.72 / 30  | Brasil-Uruguay     | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 72 / 30  |
|                  |        |                    |                    | Brasil                   |
|                  |        |                    |                    | 10 . 15 . 224 . 73 / 30  |
|                  | 20     | 10.15.224.76 / 30  | Chile-PAC          | Uruguay                  |
|                  |        |                    |                    | 10 . 15 . 224 . 74 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 75 / 30  |
|                  | 21     | 10.15.224.80 / 30  | Chile-Peru         | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 76 / 30  |
|                  |        |                    |                    | Chile                    |
|                  |        |                    |                    | 10 . 15 . 224 . 77 / 30  |
|                  | 22     | 10.15.224.84 / 30  | Colombia-NAM       | PAC(Christchurch)        |
|                  |        |                    |                    | 10 . 15 . 224 . 78 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 79 / 30  |
|                  | 23     | 10.15.224.88 / 30  | Colombia-Ecuador   | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 80 / 30  |
|                  |        |                    |                    | Chile                    |
|                  |        |                    |                    | 10 . 15 . 224 . 81 / 30  |
|                  | 24     | 10.15.224.92 / 30  | Colombia-Peru      | Peru                     |
|                  |        |                    |                    | 10 . 15 . 224 . 82 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 83 / 30  |
|                  | 25     | 10.15.224.96 / 30  | Colombia-Venezuela | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 84 / 30  |
|                  |        |                    |                    | Colombia                 |
|                  |        |                    |                    | 10 . 15 . 224 . 85 / 30  |
|                  | 26     | 10.15.224.100 / 30 | Ecuador-Peru       | NAM (Atlanta)            |
|                  |        |                    |                    | 10 . 15 . 224 . 86 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 87 / 30  |
|                  | 27     | 10.15.224.104 / 30 | Ecuador-Venezuela  | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 88 / 30  |
|                  |        |                    |                    | Colombia                 |
|                  |        |                    |                    | 10 . 15 . 224 . 89 / 30  |
|                  |        |                    |                    | Ecuador                  |
|                  |        |                    |                    | 10 . 15 . 224 . 90 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 91 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 92 / 30  |
|                  |        |                    |                    | Colombia                 |
|                  |        |                    |                    | 10 . 15 . 224 . 93 / 30  |
|                  |        |                    |                    | Peru                     |
|                  |        |                    |                    | 10 . 15 . 224 . 94 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 95 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 96 / 30  |
|                  |        |                    |                    | Colombia                 |
|                  |        |                    |                    | 10 . 15 . 224 . 97 / 30  |
|                  |        |                    |                    | Venezuela                |
|                  |        |                    |                    | 10 . 15 . 224 . 98 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 99 / 30  |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 100 / 30 |
|                  |        |                    |                    | Ecuador                  |
|                  |        |                    |                    | 10 . 15 . 224 . 101 / 30 |
|                  |        |                    |                    | Peru                     |
|                  |        |                    |                    | 10 . 15 . 224 . 102 / 30 |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 103 / 30 |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 104 / 30 |
|                  |        |                    |                    | Ecuador                  |
|                  |        |                    |                    | 10 . 15 . 224 . 105 / 30 |
|                  |        |                    |                    | Venezuela                |
|                  |        |                    |                    | 10 . 15 . 224 . 106 / 30 |
|                  |        |                    |                    | -                        |
|                  |        |                    |                    | 10 . 15 . 224 . 107 / 30 |



Enlaces Inter/Intra Regionales correspondientes a la Región SAM

| Red              | Enlace |                    |                         |                        |
|------------------|--------|--------------------|-------------------------|------------------------|
|                  | Nro.   | Subred             | Extremos                | Direcciones a utilizar |
| 10.15.224.0 / 19 | 28     | 10.15.224.108 / 30 | Guyana Francesa-Surinam | -                      |
|                  |        |                    |                         | Guyana Francesa        |
|                  |        |                    |                         | Surinam                |
|                  |        |                    |                         | -                      |
|                  | 29     | 10.15.224.112 / 30 | Guyana-C-CAR            | -                      |
|                  |        |                    |                         | Guyana                 |
|                  |        |                    |                         | C-CAR (Piarco)         |
|                  |        |                    |                         | -                      |
|                  | 30     | 10.15.224.116 / 30 | Guyana-Surinam          | -                      |
|                  |        |                    |                         | Guyana                 |
|                  |        |                    |                         | Surinam                |
|                  |        |                    |                         | -                      |
|                  | 31     | 10.15.224.120 / 30 | Guyana-Venezuela        | -                      |
|                  |        |                    |                         | Guyana                 |
|                  |        |                    |                         | Venezuela              |
|                  |        |                    |                         | -                      |
|                  | 32     | 10.15.224.124 / 30 | Peru-NAM                | -                      |
|                  |        |                    |                         | Peru                   |
|                  |        |                    |                         | NAM (Atlanta)          |
|                  |        |                    |                         | -                      |
|                  | 33     | 10.15.224.128 / 30 | Peru-Bolivia            | -                      |
|                  |        |                    |                         | Peru                   |
|                  |        |                    |                         | Bolivia                |
|                  |        |                    |                         | -                      |
|                  | 34     | 10.15.224.132 / 30 | Peru-Colombia           | -                      |
|                  |        |                    |                         | Peru                   |
|                  |        |                    |                         | Colombia               |
|                  |        |                    |                         | -                      |
|                  | 35     | 10.15.224.136 / 30 | Peru-Venezuela          | -                      |
|                  |        |                    |                         | Peru                   |
|                  |        |                    |                         | Venezuela              |
|                  |        |                    |                         | -                      |
|                  | 36     | 10.15.224.140 / 30 | Surinam-Venezuela       | -                      |
|                  |        |                    |                         | Surinam                |
|                  |        |                    |                         | Venezuela              |
|                  |        |                    |                         | -                      |

Enlaces Inter/Intra Regionales correspondientes a la Región SAM

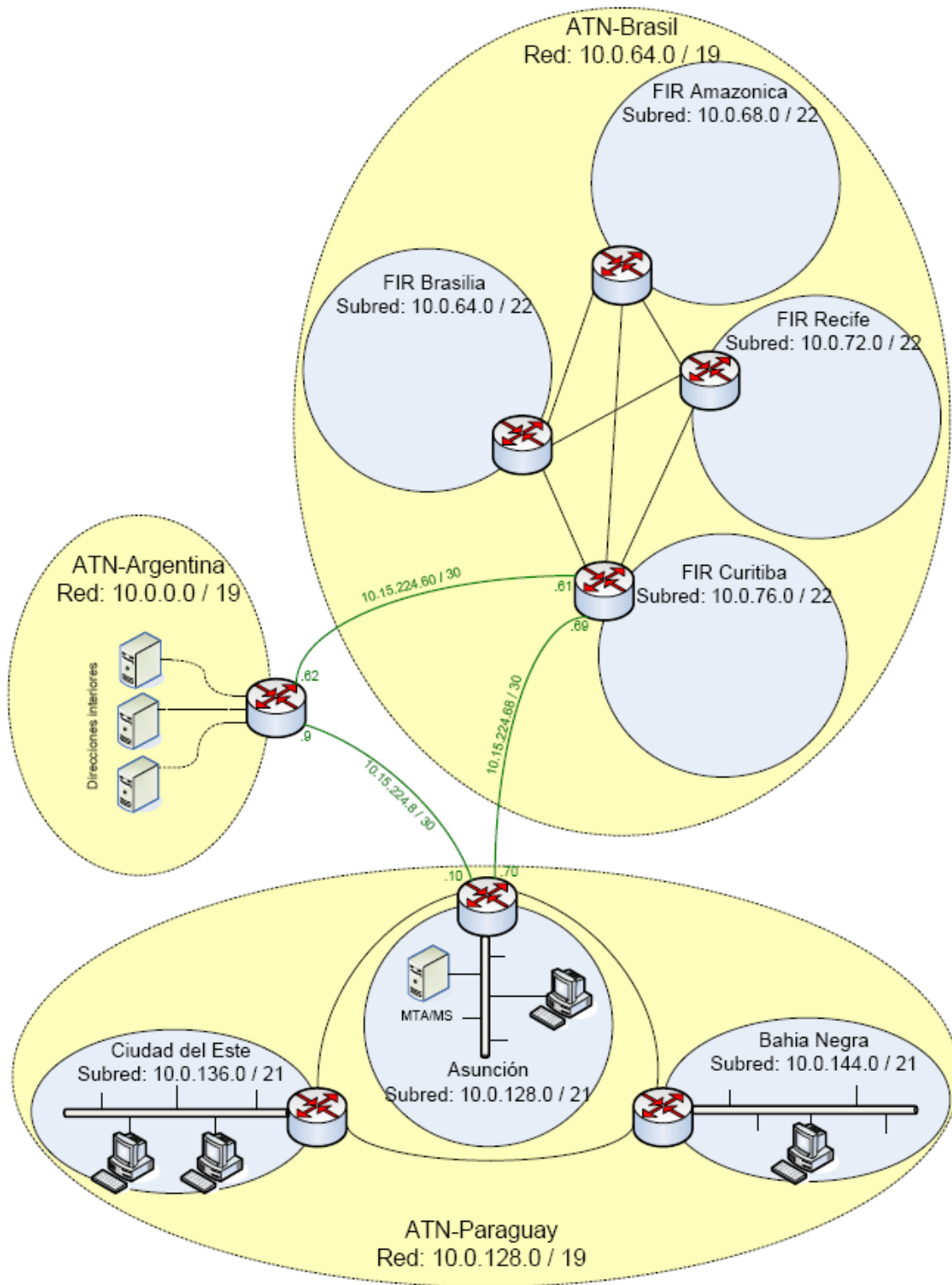
| Red              | Enlace        |                    |                             |                          |
|------------------|---------------|--------------------|-----------------------------|--------------------------|
|                  | Nro.          | Subred             | Extremos                    | Direcciones a utilizar   |
| 10.15.224.0 / 19 | 37            | 10.15.224.144 / 30 | Venezuela-CAM               | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 144 / 30 |
|                  |               |                    |                             | Venezuela                |
|                  |               |                    |                             | 10 . 15 . 224 . 145 / 30 |
|                  | 38            | 10.15.224.148 / 30 | Venezuela-EUR               | CAM (San Juan)           |
|                  |               |                    |                             | 10 . 15 . 224 . 146 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 147 / 30 |
|                  | 39            | 10.15.224.152 / 30 | Venezuela-Trinidad y Tobago | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 148 / 30 |
|                  |               |                    |                             | Venezuela                |
|                  |               |                    |                             | 10 . 15 . 224 . 149 / 30 |
|                  | 40            | 10.15.224.156 / 30 | VACANTE                     | EUR (Madrid)             |
|                  |               |                    |                             | 10 . 15 . 224 . 150 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 151 / 30 |
|                  | 41            | 10.15.224.160 / 30 | VACANTE                     | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 152 / 30 |
|                  |               |                    |                             | Venezuela                |
|                  |               |                    |                             | 10 . 15 . 224 . 153 / 30 |
|                  | 42            | 10.15.224.164 / 30 | VACANTE                     | Trinidad y Tobago        |
|                  |               |                    |                             | 10 . 15 . 224 . 154 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 155 / 30 |
|                  | -             | -                  | -                           | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 156 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 157 / 30 |
|                  | -             | -                  | -                           | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 158 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 159 / 30 |
|                  | 2048 (última) | 10.15.31.252 / 30  | VACANTE                     | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 160 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 161 / 30 |
|                  | -             | -                  | -                           | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 162 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 163 / 30 |
|                  | -             | -                  | -                           | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 164 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 165 / 30 |
|                  | -             | -                  | -                           | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 166 / 30 |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | 10 . 15 . 224 . 167 / 30 |
|                  | -             | -                  | -                           | -                        |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | -                        |
|                  |               |                    |                             | -                        |

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# ANEXO 3

Anexo 3



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## Bloque de Direcciones de Paraguay

| Estado / Territorio | Red             | Subred |                             | Direcciones utilizables |                  |   |   |   |     |   |   |   |    |
|---------------------|-----------------|--------|-----------------------------|-------------------------|------------------|---|---|---|-----|---|---|---|----|
|                     |                 | Nro.   | ID                          | Nro.                    | Notacion Decimal |   |   |   |     |   |   |   |    |
| PARAGUAY            | 10.0.128.0 / 19 | 1      | Asuncion<br>10.0.128.0 / 21 | 1                       | 10               | . | 0 | . | 128 | . | 1 | / | 21 |
|                     |                 |        |                             | 2                       | 10               | . | 0 | . | 128 | . | 2 | / | 21 |
|                     |                 |        |                             | 3                       | 10               | . | 0 | . | 128 | . | 3 | / | 21 |
|                     |                 |        |                             | 4                       | 10               | . | 0 | . | 128 | . | 4 | / | 21 |
|                     |                 |        |                             | 5                       | 10               | . | 0 | . | 128 | . | 5 | / | 21 |
|                     |                 |        |                             | 6                       | 10               | . | 0 | . | 128 | . | 6 | / | 21 |
|                     |                 |        |                             | 7                       | 10               | . | 0 | . | 128 | . | 7 | / | 21 |
|                     |                 |        |                             | 8                       | 10               | . | 0 | . | 128 | . | 8 | / | 21 |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |
|                     |                 |        |                             |                         |                  |   |   |   |     |   |   |   |    |

Bloque de Direcciones de Paraguay

| Estado / Territorio | Red             | Subred |                                | Direcciones utilizables |                         |
|---------------------|-----------------|--------|--------------------------------|-------------------------|-------------------------|
|                     |                 | Nro.   | ID                             | Nro.                    | Notacion Decimal        |
| PARAGUAY            | 10.0.128.0 / 19 | 3      | Bahia Negra<br>10.0.144.0 / 21 | 1                       | 10 . 0 . 144 . 1 / 21   |
|                     |                 |        |                                | 2                       | 10 . 0 . 144 . 2 / 21   |
|                     |                 |        |                                | 3                       | 10 . 0 . 144 . 3 / 21   |
|                     |                 |        |                                | 4                       | 10 . 0 . 144 . 4 / 21   |
|                     |                 |        |                                | 5                       | 10 . 0 . 144 . 5 / 21   |
|                     |                 |        |                                | 6                       | 10 . 0 . 144 . 6 / 21   |
|                     |                 |        |                                | 7                       | 10 . 0 . 144 . 7 / 21   |
|                     |                 |        |                                | 8                       | 10 . 0 . 144 . 8 / 21   |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                | 2042                    | 10 . 0 . 151 . 250 / 21 |
|                     |                 |        |                                | 2043                    | 10 . 0 . 151 . 251 / 21 |
|                     |                 |        |                                | 2044                    | 10 . 0 . 151 . 252 / 21 |
|                     |                 |        |                                | 2045                    | 10 . 0 . 151 . 253 / 21 |
|                     |                 |        |                                | 2046                    | 10 . 0 . 151 . 254 / 21 |
|                     | 10.0.128.0 / 19 | 4      | VACANTE<br>10.0.152.0 / 21     | 1                       | 10 . 0 . 152 . 1 / 21   |
|                     |                 |        |                                | 2                       | 10 . 0 . 152 . 2 / 21   |
|                     |                 |        |                                | 3                       | 10 . 0 . 152 . 3 / 21   |
|                     |                 |        |                                | 4                       | 10 . 0 . 152 . 4 / 21   |
|                     |                 |        |                                | 5                       | 10 . 0 . 152 . 5 / 21   |
|                     |                 |        |                                | 6                       | 10 . 0 . 152 . 6 / 21   |
|                     |                 |        |                                | 7                       | 10 . 0 . 152 . 7 / 21   |
|                     |                 |        |                                | 8                       | 10 . 0 . 152 . 8 / 21   |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                |                         | -                       |
|                     |                 |        |                                | 2042                    | 10 . 0 . 159 . 250 / 21 |
|                     |                 |        |                                | 2043                    | 10 . 0 . 159 . 251 / 21 |
|                     |                 |        |                                | 2044                    | 10 . 0 . 159 . 252 / 21 |
|                     |                 |        |                                | 2045                    | 10 . 0 . 159 . 253 / 21 |
|                     |                 |        |                                | 2046                    | 10 . 0 . 159 . 254 / 21 |