

International Civil Aviation Organization



**THE SIXTH MEETING OF AERONAUTICAL
TELECOMMUNICATION NETWORK (ATN)
IMPLEMENTATION CO-ORDINATION GROUP
OF APANPIRG (ATNICG/6)**



Seoul, Republic of Korea, 16 - 20 May 2011

Agenda Item 4: Review States' ATN/AMHS Implementation Status, Transition and Operational Issues

**REVIEW OF ASIA AND PACIFIC REGIONS AIR NAVIGATION PLAN (DOC 9673)
VOLUME II, FASID TABLES**

(Presented by the Secretariat)

SUMMARY

Asia and Pacific Regions Air Navigation Plan (Doc 9673), Volume II, FASID provides implementation information in respect of facilities and services in the region. Information provided in a tabular form is considered a planning tool and is used in monitoring the progress of implementation. In this paper FASID tables related to ATN/AMHS implementation in the region are reviewed. Meeting is urged to provide updates to the information provided in these tables, so that amendment to the Tables could be proposed.

1. INTRODUCTION

1.1 Asia and Pacific Regions Air Navigation Plan (Doc 9673), Volume II Facilities and Services Implementation Document (FASID) Tables CNS – 1B Aeronautical telecommunication network (ATN) router plan, Table CNS – 1C ATS message handling service (AMHS) routing plan and Table CNS – 1E ATS interfacility data communication (AIDC) routing plan were taken up for review by APANPIRG in its Twentieth meeting held from 7 to 11 September 2009. The meeting after reviewing the updated Tables adopted them through its Conclusion 20/30 based on the recommendations of the CNS/MET Sub Group.

1.2 Adopted FASID Tables CNS – 1B, 1C and 1E were subsequently approved and circulated through State Letters APAC 10/8:AP128/10(CNS), APAC 10/9:AP129/10(CNS) and APAC 10/10:AP130/10(CNS) dated 10 August 2010

2. DISCUSSION

2.1 Volume II, Asia and Pacific Regions Air Navigation Plan (Doc 9673) (FASID) includes the ATM facilities and services implementation plans for the region. Part IV, of the volume contains FASID Tables on CNS facilities. These tables are reviewed periodically to assess the implementation status of various planned facilities with respect to the planned schedule.

2.2 FASID Table CNS – 1B on Aeronautical Telecommunication Router Plan, FASID Table CNS – 1C on ATS Message Handling Service (AMHS) Routing Plan and FASID Table CNS – 1E on ATS Inter-facility data Communication (AIDC) were last reviewed by APANPIRG in its Twentieth meeting and were adopted. These adopted Tables were subsequently circulated after their approval following the prescribed process.

2.3 It has been noted that a significant development has taken place in the implementation of AMHS in the region since the time of last review. It is therefore proposed to carry out a review of the CNS Tables 1B, 1C and 1E to assess the implementation status. Tables last approved and circulated through State Letter dated 10 August are placed at **Attachment A, Attachment B and Attachment C** respectively.

2.4 Meeting is invited to review the information provided in the Tables placed at Attachments to this paper and update the information where required.

3. ACTION REQUIRED BY THE MEETING

3.1 Meeting is invited to review the information provided in FASID Tables CNS 1B, 1C and 1E and update it where required.

Table CNS 1B**AERONAUTICAL TELECOMMUNICATION NETWORK (ATN) ROUTER PLAN**

EXPLANATION OF THE TABLE

Column

| | |
|---|-----------------------------------------------------------------------------------------------------------------|
| 1 | Administration – the name of the Administration, State or Organization responsible for management of the router |
| 2 | Location of Router |
| 3 | Type of Router: BBIS - Backbone Boundary Intermediate System BIS - Boundary Intermediate System |
| 4 | Type of Interconnection: Inter – Regional Intra – Regional Sub – Regional |
| 5 | Interconnection, Connected to router of: name of the location of the correspondent router |
| 6 | Link Speed – Speed requirements of the interconnecting link |
| 7 | Link Protocol – Protocol requirements for the interconnecting link |
| 8 | Target Date of Implementation – date of implementation of the router TBD- To be determined |
| 9 | Remarks |

| Administration | Location of Router | Type of Router | Type of Interconnection | Interconnection, Connected to router of: | Link Speed | Link Protocol | Target date of Implementation | Remarks | |
|-------------------|--------------------|----------------|-------------------------|------------------------------------------|------------|---------------|-------------------------------|---------------------------------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Afghanistan | Kabul | BIS | Sub-Regional | Pakistan | 9600 bps | IPS | TBD | Intra-domain | |
| | | BIS | Inter-Regional | Iran | 9600 bps | IPS | TBD | | |
| American Samoa | Pago Pago | | | United States | | | | Intra-domain | |
| Australia | Brisbane | | | Timor Leste | | | | Intra-domain | |
| | | BBIS | Sub-Regional | Fiji | 64000 bps | X.25 | 2010 | Circuit Implemented | |
| | | BIS | Sub-Regional | Indonesia | 9600 bps | X.25 | 2010 | Not Implemented | |
| | | BBIS | Intra-Regional | Japan | 64000 bps | TDB | 2010 | | |
| | | | | Nauru | | | | | Intra-domain |
| | | BIS | Sub-Regional | New Zealand | 9600 bps | X.25 | 2011 | | |
| | | | | Papua New Guinea | | | | | Intra-domain |
| | | BBIS | Inter-Regional | South Africa | TDB | TDB | TBD | Not implemented | |
| | | | | Solomon Islands | | | | | Intra-domain |
| | | | Vanuatu | | | | | Intra-domain | |
| | Melbourne | BBIS | Intra-Regional | Singapore | 64000 bps | X.25 | 2012 | Circuit Implemented | |
| | | BBIS | Inter-Regional | United States | 64000 bps | X.25 | 2010 | Circuit Implemented | |
| Bangladesh | Dhaka | BIS | Sub-Regional | India | 9600 bps | X.25 | 2010-2011 | (India) | |
| | | BIS | Sub-Regional | Thailand | 9600 bps | X.25 | 2010-2011 | (Thailand) | |
| Bhutan | Paro | BIS | Sub-Regional | India | 9600 bps | X.25 | TBD | (India) | |
| Brunei Darussalam | Brunei | BIS | Sub-Regional | Malaysia | 64000 bps | X.25 | TBD | (Malaysia) | |
| | | BIS | Sub-Regional | Singapore | 9600 bps | X.25 | TBD | (Singapore) Circuit Implemented | |

| Administration | Location of Router | Type of Router | Type of Interconnection | Interconnection, Connected to router of: | Link Speed | Link Protocol | Target date of Implementation | Remarks |
|-------------------------|--------------------|----------------|-------------------------|------------------------------------------|------------------|---------------|-------------------------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Cambodia | Phnom Penh | BIS | Sub-Regional | Thailand | 9600 bps | X.25 | 2009-2010 | (Thailand) |
| China | Beijing | BIS | Sub-Regional | DPR Korea | 9600 bps | X.25 | 2010 | ATN Router Implemented |
| | | BBIS | Intra-Regional | Hong Kong, China | 64000 bps | X.25 | 2012 | ATN Router Implemented |
| | | BBIS | Intra-Regional | India | 64000 bps | X.25 | 2010 | ATM Router Implemented |
| | | BBIS | Intra-Regional | Japan | 64000 bps | X.25 | 2010 | ATN Router Implemented |
| | | BBIS | Inter-Regional | Kuwait | 64000 bps | X.25 | TBD | ATN Router Implemented |
| | | BIS | Sub-Regional | Macau, China | 9600 bps | X.25 | 2012 | ATN Router Implemented |
| | | BIS | Sub-Regional | Mongolia | 9600 bps | X.25 | 2010 | ATN Router Implemented |
| | | BIS | Sub-Regional | Myanmar | 9600 bps | X.25 | 2010 | ATN Router Implemented |
| | | BIS | Sub-Regional | Nepal | 9600 bps | X.25 | 2010 | ATN Router Implemented |
| | | BIS | Sub-Regional | Pakistan | 9600 bps | X.25 | 2010 | ATN Router Implemented |
| | | BIS | Sub-Regional | Republic of Korea | 64000 bps | X.25 | 2011 | ATN Router Implemented |
| | | BBIS | Inter-Regional | Russian Federation | 19200 bps | X.25 | TBD | ATN Router Implemented |
| | | BBIS | Intra-Regional | Thailand | 64000 bps | X.25 | 2012 | ATN Router Implemented |
| | | BIS | Sub-Regional | Vietnam | | | | TBD |
| | | Taibei | BIS | Sub-Regional | Hong Kong, China | 9600 bps | X.25 | 2012 |
| | | BIS | Sub-Regional | Japan | 64000 bps | X.25 | 2012 | |
| Hong Kong, China | Hong Kong | BBIS | Intra-Regional | China | 64000 bps | X.25 | 2012 | |
| | | BIS | Sub-Regional | Macau, China | 9600 bps | X.25 | 2009 | Implemented |
| | | BBIS | Intra-Regional | Japan | 64000 bps | X.25 | 2010 | |
| | | BIS | Sub-Regional | Philippines | 9600 bps | X.25 | 2012 | |
| | | BIS | Sub-Regional | Taibei | 9600 bps | X.25 | 2012 | |

| Administration | Location of Router | Type of Router | Type of Interconnection | Interconnection, Connected to router of: | Link Speed | Link Protocol | Target date of Implementation | Remarks |
|------------------|--------------------|----------------|-------------------------|------------------------------------------|------------|---------------|-------------------------------|--------------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | BBIS | Intra-Regional | Thailand | 64000 bps | X.25 | Implemented | |
| | | BIS | Sub-Regional | Viet Nam | 9600 bps | X.25 | 2010 | |
| Macau, China | Macau | BIS | Sub-Regional | China | 9600 bps | X.25 | 2012 | |
| | | BIS | Sub-Regional | Hong Kong, China | 9600 bps | X.25 | 2009 | Implemented |
| Cook Islands | Rarotonga | | | New Zealand | | | | Intra-domain |
| DPR Korea | Pyongyang | BIS | Sub-Regional | China | 9600 bps | X.25 | 2010 | (China) |
| Fiji | Nadi | BBIS | Intra-Regional | Australia | 64000 bps | X.25 | 2010 | Circuit implemented |
| | | | | Kiribati | | VPN | 2011 | Intra-domain |
| | | BIS | Sub-Regional | New Caledonia | | TBD | TBD | Intra-domain |
| | | | | Tuvalu | | VPN | 2011 | Intra-domain |
| | | BBIS | Inter-Regional | United States | 19200 bps | X.25 | 2010 | Circuit implemented |
| | | | | Wallis Islands | | TBD | TBD | Intra-domain |
| French Polynesia | Papeete | | | New Zealand | 9600 bps | X.25 | TBD | Intra-domain |
| India | Mumbai | BIS | Sub-Regional | Bangladesh | 9600 bps | X.25/IPS | -TBD | |
| | | BIS | Sub-Regional | Bhutan | 9600 bps | X.25/IPS | TBD | |
| | | BBIS | Intra-Regional | China | 64000 bps | IPS | 2010 | Awaiting readiness from China |
| | | BIS | Inter-Regional | Kenya | 19200 bps | X.25/IPS | TBD | |
| | | BIS | Sub-Regional | Nepal | 9600 bps | X.25/IPS | TBD | |
| | | BIS | Inter-Regional | Oman | 19200 bps | IPS | 2010 | Presently AFTN over TCP/IP on AMHS Gateway |
| | | BIS | Sub-Regional | Pakistan | 9600 bps | IPS | 2010 | Ping Test Completed |

| Administration | Location of Router | Type of Router | Type of Interconnection | Interconnection, Connected to router of: | Link Speed | Link Protocol | Target date of Implementation | Remarks |
|------------------|--------------------|----------------|-------------------------|------------------------------------------|------------|---------------|-------------------------------|----------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | BBIS | Intra-Regional | Singapore | 64000 bps | IPS | 2010 | Under Pre-Ops Trial |
| | | BIS | Sub-Regional | Sri Lanka | 9600 bps | X.25/IPS | TBD | |
| | | BBIS | Intra-Regional | Thailand | 64000 bps | IPS | 2010 | Awaiting readiness from Thailand |
| Indonesia | Jakarta | BIS | Sub-Regional | Australia | 9600 bps | X.25 | 2010 | |
| | | BIS | Sub-Regional | Singapore | 9600 bps | X.25 | 2012 | |
| Japan | Tokyo | BBIS | Intra-Regional | Australia | 64000 bps | X.25 | 2011 | |
| | | BBIS | Intra-Regional | China | 64000 bps | X.25 | 2011 | |
| | | BBIS | Intra-Regional | Hong Kong, China | 64000 bps | X.25 | 2011 | |
| | | BBIS | Inter-Regional | Europe | 64000 bps | X.25 | TBD | |
| | | BIS | Sub-Regional | Republic of Korea | 64000 bps | X.25 | 2011 | |
| | | BBIS | Inter-Regional | Russia Federation | 64000 bps | X.25 | TBD | |
| | | BBIS | Intra-Regional | Singapore | 64000 bps | X.25 | 2011 | |
| | | BIS | Sub-Regional | Taibei | 64000 bps | X.25 | 2011 | |
| | | BBIS | Inter-Regional | United States | 64000 bps | X.25 | Implemented | |
| Kiribati | Tarawa | BIS | Sub-Regional | Fiji | 9600 bps | VPN | 2011 | Intra-domain |
| Lao PDR | Vientiane | BIS | Sub-Regional | Thailand | 9600 bps | X.25 | 2011 | (Thailand) |
| | | BIS | Sub-Regional | Viet Nam | 9600 bps | X.25 | TBD | (Vietnam) |
| Malaysia | Kuala Lumpur | BIS | Sub-Regional | Brunei | 64000 bps | X.25 | 2010 | |
| | | BIS | Sub-Regional | Singapore | 64000 bps | X.25 | 2006 | Implemented |
| | | BIS | Sub-Regional | Thailand | 64000 bps | X.25 | 2010 | |

| Maldives | Male | BIS | Sub-Regional | Sri Lanka | 64000 bps | X.25 | 2010 | |
|--------------------------------------|--------------------|----------------|-------------------------|------------------------------------------|------------|---------------|-------------------------------|--------------|
| Administration | Location of Router | Type of Router | Type of Interconnection | Interconnection, Connected to router of: | Link Speed | Link Protocol | Target date of Implementation | Remarks |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Micronesia Federated State of | Chuuk | | | United States | | | | Intra-domain |
| | Kosrae | | | United States | | | | Intra-domain |
| | Ponapei | | | United States | | | | Intra-domain |
| | Yap | | | United States | | | | Intra-domain |
| Mongolia | Ulaanbaatar | BIS | Sub-Regional | China | 9600 bps | X.25 | 2010 | (China) |
| Myanmar | Yangon | BIS | Sub-Regional | China | 9600 bps | X.25 | 2010 | (China) |
| | | BIS | Sub-Regional | Thailand | 9600 bps | X.25 | 2009-2010 | (Thailand) |
| Nauru | Nauru | | | Australia | | | | Intra-domain |
| Nepal | Kathmandu | BIS | Sub-Regional | China | 9600bps | X.25 | 2010 | (China) |
| | | BIS | Sub-Regional | India | 9600bps | X.25 | TBD | (India) |
| New Caledonia | Noumea | | | Fiji | | TBD | TBD | Intra-domain |
| New Zealand | Christchurch | BIS | Sub-Regional | Australia | 9600 bps | X.25 | 2011 | |
| | | | | Cook Is | | | | Intra-domain |
| | | | | French Polynesia | 9600 bps | X.25 | TBD | Intra-domain |
| | | | | Niue | 9600 bps | X.25 | | Intra-domain |
| | | | | Samoa | 9600 bps | X.25 | | Intra-domain |
| | | | | Tonga | 9600 bps | X.25 | | Intra-domain |
| | | BIS | Inter-Regional | USA | 9600 bps | X.25 | 2011 | |
| Niue Islands | Niue | | | New Zealand | 9600 bps | X.25 | | Intra-domain |

| Administration | Location of Router | Type of Router | Type of Interconnection | Interconnection, Connected to router of: | Link Speed | Link Protocol | Target date of Implementation | Remarks |
|-------------------|--------------------|----------------|-------------------------|------------------------------------------|------------|---------------|-------------------------------|---------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Pakistan | Karachi | BIS | Sub-Regional | China | 9600 bps | X.25 | 2010 | (China) |
| | | BIS | Sub-Regional | Afghanistan | 9600 bps | IPS | TBD | |
| | | BIS | Sub-Regional | India | 9600 bps | X.25 | TBD | (India) |
| Papua New Guinea | Port Moresby | | | Australia | | | | Intra-domain |
| Philippines | Manila | BIS | Sub-Regional | Hong Kong, China | 9600 bps | X.25 | 2012 | Circuit Implemented |
| | | BIS | Sub-Regional | Singapore | 32000 bps | X.25 | 2009 - 2010 | Not yet implemented |
| Republic of Korea | Seoul | BIS | Sub-Regional | China | 64000 bps | X.25 | 2011 | |
| | | BIS | Sub-Regional | Japan | 64000 bps | X.25 | 2011 | |
| Samoa | Faleolo | | | New Zealand | 9600 bps | X.25 | | Intra-domain |
| Singapore | Singapore | BBIS | Intra-Regional | Australia | 64000 bps | X.25 | 2012 | Circuit Implemented |
| | | BIS | Inter-Regional | Bahrain | 64000 bps | X.25 | TBD | Circuit Implemented |
| | | BIS | Sub-Regional | Brunei | 9600 bps | X.25 | TBD | Circuit Implemented |
| | | BBIS | Intra-Regional | India | 64000 bps | X.25 | 2010 | Circuit being implemented |
| | | BIS | Sub-Regional | Indonesia | 9600 bps | X.25 | 2012 | Circuit Implemented |
| | | BBIS | Intra-Regional | Japan | 64000 bps | X.25 | 2010 | Circuit Implemented |
| | | BIS | Sub-Regional | Malaysia | 64000 bps | X.25 | 2007 | Circuit Implemented |
| | | BIS | Sub-Regional | Philippines | 32000 bps | X.25 | 2009-1010 | Circuit Implemented |
| | | BIS | Sub-Regional | Sri Lanka | 64000 bps | X.25 | 2010 | Circuit Implemented |
| | | BBIS | Intra-Regional | Thailand | 64000 bps | X.25 | 2009-2010 | Circuit Implemented |
| | | BBIS | Inter-Regional | United Kingdom | 64000 bps | X.25 | 2012 | Circuit Implemented |

| | | BIS | Sub-Regional | Viet Nam | 9600 bps | X.25 | 2010-2011 | Circuit Implemented |
|-----------------|--------------------|----------------|-------------------------|------------------------------------------|------------|---------------|-------------------------------|--------------------------|
| Administration | Location of Router | Type of Router | Type of Interconnection | Interconnection, Connected to router of: | Link Speed | Link Protocol | Target date of Implementation | Remarks |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Solomon Islands | Honiara | | | Australia | VPN | | 2012 | (Australia) Intra-Domain |
| Sri Lanka | Colombo | BIS | Sub-Regional | India | 9600 bps | X.25 | TBD | |
| | | BIS | Sub-Regional | Maldives | 64000bps | X.25 | 2010 | |
| | | BIS | Sub-Regional | Singapore | 64000 bps | X.25 | 2010 | |
| Thailand | Bangkok | BIS | Sub-Regional | Bangladesh | 9600 bps | X.25 | 2010 - 2011 | |
| | | BIS | Sub-Regional | Cambodia | 9600 bps | X.25 | 2009-2010 | |
| | | BBIS | Intra-Regional | China | 64000 bps | X.25 | 2012 | |
| | | BBIS | Intra-Regional | Hong Kong, China | 64000 bps | X.25 | Implemented | |
| | | BBIS | Intra-Regional | India | 64000 bps | X.25 | 2010 | Circuit Implemented |
| | | BBIS | Inter-Regional | Italy | 64000 bps | X.25 | TBD | Circuit Implemented |
| | | BIS | Sub-Regional | Lao PDR | 9600 bps | X.25 | 2009-2010 | |
| | | BIS | Sub-Regional | Malaysia | 64000 bps | X.25 | 2012 | |
| | | BIS | Sub-Regional | Myanmar | 9600 bps | X.25 | 2009-2010 | |
| | | BBIS | Intra-Regional | Singapore | 64000 bps | X.25 | 2009-2010 | Circuit Implemented |
| BIS | Sub-Regional | Viet Nam | 9600 bps | X.25 | 2010 | | | |
| Timor Leste | Dili | | | Australia | | | | Intra-domain |
| Tonga | Tongatapu | | | New Zealand | 9600 bps | X.25 | | Intra-domain |
| Tuvalu | Funafuti | | | Fiji | | VPN | 2011 | Intra-domain |
| United States | Salt Lake City | BBIS | Inter-Regional | Australia | 64000 bps | TBD | 2010 | Circuit Implemented |
| | | | | American Samoa | | | | Intra-domain |

| Administration | Location of Router | Type of Router | Type of Interconnection | Interconnection, Connected to router of: | Link Speed | Link Protocol | Target date of Implementation | Remarks |
|-----------------------|--------------------|----------------|-------------------------|------------------------------------------|------------|---------------|-------------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | BBIS | Inter-Regional | Fiji | 9600 bps | X.25 | 2010 | Circuit Implemented |
| | | BBIS | Inter-Regional | Japan | 64000 bps | X.25 | 2006 | Circuit Implemented |
| | | | | Marshall Islands | | | | Intra-domain |
| | | | | Micronesia, Federated State of | | | | Intra-domain |
| | | BIS | Inter-Regional | New Zealand | 9600 bps | X.25 | 2011 | Circuit Implemented |
| | | | | Palau | | | | Intra-domain |
| Vanuatu | Port Vila | | | Australia | VPN | | 2012 | Intra-domain (Australia) |
| Viet Nam | Ho Chin Minh/Hanoi | BIS | Sub-Regional | China | | | TBD | |
| | | BIS | Sub-Regional | Hong Kong, China | 9600bps | X.25 | 2010 | |
| | | BIS | Sub-Regional | Lao PDR | 9600bps | X.25 | 2010 | |
| | | BIS | Sub-Regional | Singapore | 9600bps | X.25 | 2010 | |
| | | BIS | Sub-Regional | Thailand | 9600bps | X.25 | 2010 | |
| Wallis Islands | Wallis | | | Fiji | | TBD | TBD | Intra-domain |

Table CNS 1C**AMHS ROUTING PLAN**

EXPLANATION OF THE TABLE

Column

| | |
|---|-------------------------------------------------------------------------------------------------------------------|
| 1 | Administration – the name of the Administration, State or Organization responsible for management of the facility |
| 2 | Location of Facility |
| 3 | Facility Type: AMHS UA (Location of AMHS) |
| 4 | Target Date of Implementation – date of implementation of the ATSMHS TBD – To be determined |
| 5 | Remarks |

Note. - AMHS – ATS Message Handling System which may include Message Transfer Agents and AFTN/AMHS gateways services.

| Administration | Location of Facility | Facility Type | Target Date of Implementation | Remarks |
|-------------------|----------------------|---------------------|-------------------------------|-------------|
| Afghanistan | Kabul | AMHS | TBD | |
| American Samoa | Pago Pago | UA (Salt Lake City) | 2010 | |
| Australia | Brisbane | AMHS | 2006 | Implemented |
| Bangladesh | Dhaka | AMHS | 2011 | |
| Bhutan | Paro | UA (Mumbai) | 2010 | |
| Brunei Darussalam | Brunei | AMHS | 2010 | |
| Cambodia | Phnom Penh | AMHS | 2010 | |
| China | Beijing | AMHS | 2010 | Implemented |
| | Taipei | AMHS | 2010 | |
| Hong Kong, China | Hong Kong | AMHS | 2009 | Implemented |
| Macau, China | Macau | AMHS | 2009 | Implemented |
| Cook Island | Rarotonga | UA (Christchurch) | 2010 | Implemented |
| DPR Korea | Pyongyang | AMHS | 2010 | |
| Fiji | Nadi | AMHS | 2010 | |
| French Polynesia | Papeete | AMHS | TBD | |
| India | Mumbai | AMHS | 2010 | |
| Indonesia | Jakarta | AMHS | 2009 | |
| | Ujung Pandang | AMHS | 2010 | |
| Japan | Fukoka | AMHS | 2006 | Implemented |
| Kiribati | Tarawa | UA (Nadi) | 2011 | |
| Lao PDR | Vientiane | AMHS | 2011 | |
| Malaysia | Kuala Lumpur | AMHS | 2011 | |
| Maldives | Male | AMHS | 2010 | |
| Marshall Island | Majuro | UA (Salt Lake City) | 2010 | |

| Administration | Location of Facility | Facility Type | Target Date of Implementation | Remarks |
|--------------------------------------|----------------------|---------------------|-------------------------------|----------------|
| Micronesia Federated State of | Chuuk | UA (Salt Lake City) | 2006 | UA Implemented |
| | Kosrai | UA (Salt Lake City) | 2006 | UA Implemented |
| | Ponapei | UA (Salt Lake City) | 2006 | UA Implemented |
| | Yap | UA (Salt Lake City) | 2006 | UA Implemented |
| Mongolia | Ulaanbaatar | AMHS | 2010 | |
| Myanmar | Yangon | AMHS | 2010 | |
| Nauru | Nauru | UA (Brisbane) | 2010 | |
| Nepal | Kathmandu | AMHS | 2010 | |
| New Caledonia | Noumea | AMHS | TBD | |
| New Zealand | Christchurch | AMHS | 2011 | |
| Niue Is | Niue | UA (Christchurch) | 2010 | |
| Pakistan | Karachi | AMHS | 2010 | |
| Palau | Koror | UA (Salt Lake City) | 2006 | UA Implemented |
| Papua New Guinea | Port Moresby | UA (Brisbane) | 2010 | |
| Philippines | Manila | AMHS | 2011 | Implemented |
| Republic of Korea | Seoul | AMHS | 2011 | |
| Samoa | Faleolo | UA (Christchurch) | 2010 | |
| Singapore | Singapore | AMHS | 2010 | Implemented |
| Solomon Is | Honiara | UA (Brisbane) | 2010 | |
| Sri Lanka | Colombo | AMHS | 2010 | |
| Thailand | Bangkok | AMHS | 2010 | |
| Timor Leste | Dili | UA (Brisbane) | 2010 | |
| Tonga | Tongatapu | UA (Christchurch) | 2010 | |
| Tuvalu | Funafuti | UA (Nadi) | 2011 | |

| Administration | Location of Facility | Facility Type | Target Date of Implementation | Remarks |
|-----------------------|-----------------------------|----------------------|--------------------------------------|------------------------------------|
| United States | Salt Lake City | AMHS | Implemented | |
| Vanuatu | Port Vila | UA (Brisbane) | 2010 | |
| Viet Nam | Ho Chi Minh | AMHS | 2012 | 2010 for Test, 2012 for deployment |
| Wallis Is. | Wallis | AMHS | TBD | |

TABLE CNS 1E
ATS INTER-FACILITY DATA COMMUNICATION (AIDC)
IMPLEMENTATION PLAN

EXPLANATION OF THE TABLE

Column

- 1 State/Administration – the name of the State/Administration;
- 2 Location of AIDC end system – the location of the AIDC end system under the supervision of State/Administration identified in column 1;
- 3 AIDC Pair – the correspondent AIDC end system;
Location – location of the correspondent AIDC end system
State/Administration – the name of the State/Administration responsible for management of the correspondent AIDC end system
- 4 AIDC standard used – the AIDC standard adopted for the AIDC connection between the corresponding AIDC pair, AFTN, AFTN/AMHS or ATN;
- 5 Target Date of Implementation – date of implementation of the AIDC end system;
- 6 Remarks – any additional information describing the AIDC end system or the AIDC service between the corresponding AIDC pair.

| State/Administration | Location of AIDC end system | AIDC Pair | | AIDC standard used | Target date of Implementation | Remarks |
|----------------------|-----------------------------|------------------------|------------------------------------|--------------------|-------------------------------|-------------------------------------|
| | | Correspondent location | Correspondent State/Administration | | | |
| 1 | 2 | 3 | | 4 | 5 | 6 |
| AUSTRALIA | Brisbane ACC | Oakland ARTCC | USA | AFTN | Implemented | ICD V.2.0 |
| | | Auckland ACC | New Zealand | AFTN/AMHS | TBD | |
| | | Melbourne | Australia | AFTN | Implemented | ICD V.2.0 |
| | | | | AFTN/AMHS | TBD | |
| | | Makassar ACC | Indonesia | AFTN | 2010 | ICD V.2.0 |
| | | | | AFTN/AMHS | TBD | |
| | Nadi ACC | Fiji | AFTN | Implemented | ICD V.2.0 | |
| | | | AFTN/AMHS | TBD | | |
| | Melbourne ACC | Brisbane ACC | Australia | AFTN | Implemented | ICD V.2.0 |
| | | | | AFTN/AMHS | TBD | |
| | | Jakarta ACC | Indonesia | AFTN | TBD | ICD V.2.0 |
| | | | | AFTN/AMHS | TBD | |
| | Mauritius ACC | Mauritius | AFTN | Implemented | ICD V.2.0 | |
| | | | AFTN/AMHS | TBD | | |
| BANGLADESH | Dhaka ACC | Kolkata ACC | India | AFTN/AMHS | TBD | Subject to concurrence with Myanmar |
| | | Yangon ACC | Myanmar | AFTN/AMHS | 2011 | |
| BHUTAN | | | | | | |
| BRUNEI DARUSSALAM | | | Not Required | | | |
| CAMBODIA | Phnom Penh ACC | Bangkok ACC | Thailand | AFTN | 2010 | |
| CHINA | Beijing ACC | Incheon ACC | Republic of Korea | AFTN | TBD | |
| | Sanya ACC | Hong Kong ACC | Hong Kong, China | AFTN | Implemented | |
| | | Ho Chi Minh ACC | Vietnam | AFTN | TBD | |
| | Guangzhou ACC | Hong Kong ACC | Hong Kong, China | AFTN | TBD | |
| | Taipei ACC | Hong Kong ACC | China | TBD | 2012 | |
| | Shanghai ACC | Fukuoka ATMC | Japan | TBD | TBD | |

| State/Administration | Location of AIDC end system | AIDC Pair | | AIDC standard used | Target date of Implementation | Remarks |
|---------------------------------------|-----------------------------|------------------------|------------------------------------|--------------------|-------------------------------|--------------------------------------------------|
| | | Correspondent location | Correspondent State/Administration | | | |
| 1 | 2 | 3 | | 4 | 5 | 6 |
| HONG KONG, CHINA | Hong Kong ACC | Guangzhou ACC | China | AFTN | TBD | |
| | | Sanya ACC | China | AFTN | Implemented | |
| | | Manila ACC | Philippines | AMHS | TBD | |
| | | Taibei ACC | China | TBD | 2012 | |
| MACAO, CHINA | | | | | | |
| COOK ISLANDS | | | | | | |
| DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | | | | | | |
| FIJI | Nadi ACC | Auckland ACC | New Zealand | AFTN | Implemented | ICD V.1.0 |
| | | | | AFTN/AMHS | 2010 | |
| | | Brisbane ACC | Australia | AFTN | Implemented | ICD V. 1.0 |
| | | | | AFTN/AMHS | 2010 | |
| | | Oakland ARTCC | USA | AFTN | Implemented | ICD V.1.0 |
| | | | | AFTN/AMHS | 2010 | |
| FRANCE | | | | | | |
| <i>French Polynesia</i> | Papeete ACC | Auckland ACC | New Zealand | AFTN | Implemented | ICD V. 2.0 |
| <i>New Caledonia</i> | | | | | | |
| INDIA | Kolkata ACC | Dhaka ACC | Bangladesh | AFTN | TBD | |
| | Mumbai ACC | Karachi ACC | Pakistan | AFTN | TBD | Subject to co-ordination between Administrations |
| | | | | AFTN/AMHS | TBD | |
| INDONESIA | Jakarta ACC | Melbourne | Australia | AFTN/AMHS | TBD | |
| | Makassar ACC | Brisbane ACC | Australia | AFTN | 2010 | ICD V.1.0 |
| | | | AFTN/AMHS | TBD | | |

| State/Administration | Location of AIDC end system | AIDC Pair | | AIDC standard used | Target date of Implementation | Remarks |
|---------------------------------|-----------------------------|------------------------|------------------------------------|--------------------|-------------------------------|-----------|
| | | Correspondent location | Correspondent State/Administration | | | |
| 1 | 2 | 3 | | 4 | 5 | 6 |
| JAPAN | Fukuoka ATMC | Anchorage ACC | USA | AFTN | Implemented | ICD V.1.0 |
| | | Incheon ACC | Republic of Korea | AFTN | 2009 | |
| | | Oakland ARTCC | USA | AFTN | Implemented | |
| | | Taibei ACC | Taibei, China | AFTN | 2012 | ICD V.3.0 |
| KIRIBATI | | | | | | |
| LAO PEOPLE'S DEMOCRATIC | Vientiane ACC | Bangkok ACC | Thailand | AFTN | TBD | |
| MALAYSIA | Kuala Lumpur ACC | Bangkok ACC | Thailand | AFTN | 2011 | TBD |
| | | Singapore | Singapore | AFTN | 2011 | |
| | | Kota Kinabalu | Manila | AFTN | 2011 | |
| | | Kota Kinabalu | Ujung Padang | AFTN | 2011 | |
| MALDIVES | Male ACC | Colombo ACC | Sri Lanka | AFTN | 2010 | |
| MARSHALL ISLANDS | | | | | | |
| MICRONESIA (FEDERATED STATE OF) | | | | | | |
| MONGOLIA | | | | | | |
| MYANMAR | Yangon ACC | Bangkok ACC | Thailand | AFTN | 2010 | ICD V.1.0 |
| | | Dhaka ACC | Bangladesh | AFTN | 2011 | |
| NEPAL | Kathmandu ACC | Kolkata ACC | India | AFTN | 2010 | |
| | | | | AFTN/AMHS | | |
| | | Banaras ACC | India | AFTN | 2010 | |
| | | | | AFTN/AMHS | | |
| | | Lhasa ACC | China | AFTN | 2010 | |
| | | | | AFTN/AMHS | | |

| State/Administration | Location of AIDC end system | AIDC Pair | | AIDC standard used | Target date of Implementation | Remarks |
|----------------------|-----------------------------|------------------------|------------------------------------|--------------------|-------------------------------|-----------|
| | | Correspondent location | Correspondent State/Administration | | | |
| 1 | 2 | 3 | | 4 | 5 | 6 |
| NAURU | Brisbane ACC | Oakland ARTCC | USA | AFTN | Implemented | ICD V.1.0 |
| | | | | AFTN/AMHS | TBD | |
| | | Nadi ACC | Fiji | AFTN | Implemented | ICD V.1.0 |
| | | | | AFTN/AMHS | 2010 | |
| NEW ZEALAND | Auckland ACC | Brisbane ACC | Australia | AFTN | Implemented | ICD V.1.0 |
| | | | | AFTN/AMHS | 2010 | |
| | | Nadi ACC | Fiji | AFTN | Implemented | ICD V.1.0 |
| | | | | AFTN/AMHS | 2010 | |
| | | Oakland ARTCC | USA | AFTN | Implemented | ICD V.2.0 |
| | | | | AFTN/AMHS | 2010 | |
| | | Papeete ACC | French Polynesia | AFTN | Implemented | ICD V.2.0 |
| | | PAKISTAN | Karachi | Kuwait | Kuwait | AFTN |
| AFTN/AMHS | TBD | | | | | |
| Mumbai | India | | | AFTN | TBD | |
| | | | | AFTN/AMHS | TBD | |
| PALAU | | | | | | |
| PAPUA NEW GUINEA | | | | | | |
| PHILIPPINES | Manila ACC | Hong Kong ACC | Hong Kong, China | AMHS | TBD | |
| | | Singapore ACC | Singapore | AMHS | 2011 | |
| | | Taipei | Taipei, China | AMHS | 2011 | |
| | | Makassar A CC | Indonesia | TBD | 2011 | |
| | | Ho Chi Minh ACC | Viet Nam | TBD | 2011 | |
| | | Oakland ARTCC | USA | TBD | 2011 | |

| State/Administration | Location of AIDC end system | AIDC Pair | | AIDC standard used | Target date of Implementation | Remarks |
|----------------------|-----------------------------|------------------------|------------------------------------|--------------------|-------------------------------|---------------------------------------------------------|
| | | Correspondent location | Correspondent State/Administration | | | |
| 1 | 2 | 3 | | 4 | 5 | 6 |
| REPUBLIC OF KOREA | Incheon ACC | Fukoka ATMC | Japan | AFTN | -Implemented | ICD V.1.0 |
| | | Beijing | China | AFTN | TBD | |
| SAMOA | | | | | | |
| SINGAPORE | Singapore ACC | Ho Chi Minh ACC | Vietnam | AFTN/AMHS | 2012 | ICD Version 1.0 subject to concurrence from Ho Chi Minh |
| | | | | ATN | 2012 | |
| | | Manila ACC | Philippines | AFTN/AMHS | 2012 | ICD Version 3.0 Subject to concurrence from States |
| | | | | ATN | 2012 | |
| | | Jakarta ACC | Indonesia | AFTN/AMHS | 2012 | |
| | | | | ATN | 2012 | |
| | | Kuala Lumpur ACC | Malaysia | AFTN/AMHS | 2012 | |
| | | | | ATN | 2012 | |
| Kota Kinabalu ACC | Malaysia | AFTN/AMHS | 2012 | | | |
| | | ATN | 2012 | | | |
| SOLOM ISLANDS | | | | | | |
| SRI LANKA | Colombo ACC | Male ACC | Maldives | AFTN | 2010 | |
| TIMOR LASTE | | | | | | |
| THAILAND | Bangkok ACC | Hochiminh ACC | Viet Nam | AFTN | 2010 | |
| | | Kuala Lumpur ACC | Malaysia | AFTN | 2010 | |
| | | Phnom Penh ACC | Cambodia | AFTN | 2010 | |
| | | Vientiane ACC | Lao PDR | AFTN | 2010 | |
| | | Yangon ACC | Myanmar | AFTN | 2010 | |

| State/Administration | Location of AIDC end system | AIDC Pair | | AIDC standard used | Target date of Implementation | Remarks |
|----------------------|-----------------------------|------------------------|------------------------------------|--------------------|-------------------------------|-----------------------------------------|
| | | Correspondent location | Correspondent State/Administration | | | |
| 1 | 2 | 3 | | 4 | 5 | 6 |
| TONGA | | | | | | |
| UNITED STATES | Oakland ARTCC | Auckland ACC | New Zealand | AFTN | Implemented | ICD V.2.0 |
| | | Fukuoka ATMC | Japan | AFTN | Implemented | ICD V.2.0 |
| | | Nadi -ATMC | Fiji | AFTN | Implemented | ICD V.2.0 04/2010 |
| | | Brisbane ATSC | Australia | AFTN | Implemented | ICD V.1.0 and Block Altitudes |
| | | Tahiti ACC | Tahiti | AFTN | Implemented | ICD V 2.0 |
| | Anchorage ARTCC | United States | AFTN | Implemented | ICD V 2.0 | |
| | Anchorage ARTCC | Fukuoka ATMC | Japan | AFTN | Implemented | ICD V.2.0 |
| VIET NAM | Ho Chi Minh ACC | Sanya ACC | China | AFTN/AMHS | TBD | |
| | | Pnom Penh ACC | Cambodia | AFTN/AMHS | TBD | Subject to Concurrence from Cambodia |
| | | Vientiane ACC | Lao PDR | AFTN/AMHS | TBD | Subject to Concurrence from Lao PDR |
| | Ho Chi Minh ACC | Singapore ACC | Singapore | AFTN/AMHS | 2011 | Subject to concurrence from Singapore |
| | | Manila | Philippines | TBD | 2011 | Subject to concurrence from Philippines |
| | | Bangkok ACC | Thailand | AFTN | 2010 | |