



EUR/NAT Routing Directory

Part IV - COM Charts per ICAO Region

Routing Directory for COM Centres in the EUR/NAT Regions	
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1.1	23/10/2003	Regular updates of the COM Chart information	cover, i, 1, 2, 3, 4, 5, 11, 12
1.2	26/03/2004	Regular updates of the COM Chart information	I, ii, iii, 1, 2, 3, 4, 5, 6, 13
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1 Overview of the Routing Directory Documentation (ENRD)

1.1 The whole Routing Directory documentation (ENRD - EUR/NAT Routing Directory) consists of several parts:

1. Part I – Documentation
2. Part II – EUR AFTN/CIDIN/AMHS Routing Directory (created by ATS Messaging Management Centre)
3. Part III – EUR AFTN/CIDIN/AMHS Network Inventory (created by ATS Messaging Management Centre)
4. Part IV – COM Charts per ICAO Region (“Booklet 'COM Charts per ICAO Region' “) (this document)

1.2 The **Part I – Documentation** contains the explanation of the tables used within the EUR AFTN/CIDIN/AMHS Routing Directory as well as Definitions and operational procedures.

1.3 The **Part II – EUR AFTN/CIDIN/AMHS Routing Directory** contains all routing tables of AFTN, CIDIN and AMHS COM Centres in the EUR and NAT Region valid from the indicated implementation date. The tables related to a COM Centre are:

- AFTN Routing Table
- CIDIN Routing Table (if the COM Centre is a CIDIN Centre only)
- AMHS Routing Table (if the COM Centre is an AMHS Centre only)

1.4 The **Part III – EUR AFTN/CIDIN/AMHS Network Inventory** contains information in addition to Part II for all EUR/NAT COM Centres and also for COM Centres of other ICAO Regions. The tables related to a COM Centre are:

- General Information
- CIDIN Virtual Circuit Group (if the COM Centre is a CIDIN Centre only)
- Connection Characteristics

1.5 The **Part IV – COM Charts per ICAO Region** summarise the connectivity within a given ICAO Region and to other ICAO Regions.

1.6 All these documents are available at the ATS Messaging Management Centre (AMC) and can be downloaded by the CCC Operator and other AMC users, subject to access rights granted to the considered user category.

(http://www.eurocontrol.int/amc/public/subsite_homepage/homepage.html)

2 Introduction

2.1 Use of the Part IV

2.1.1 The Part IV "COM Charts per ICAO Region" is meant to be used by AFTN/CIDIN/AMHS COM Centre Operators to have an overview of the actual connections between the ICAO COM Centres in the world and the interconnections between adjacent Regions.

2.2 Guidance to the link capacity

2.2.1 The figure/value of the link in the COM Chart reflects the possible throughput ("Capacity") of the circuit.

Note.- In the most of the cases the value reflects the speed of the link. Only in case of using of network interconnections the throughput (capacity) of the circuit (connection) can be limited by network parameters even though a higher value for the network access link is defined. It is also possible that the speeds of the access links are different on both sites of the network. In all these cases the minimum capacity value is displayed.

2.2.2 The format of the "Capacity" is uniform for all links. A minimum of characters is used for defining the parameter.

- A single circuit is identified by the value only.
E.g.: 100 (that means one connection with 100 bd)

Note.- No unit of measurement shall be used for defining the "Capacity". The value itself implies the unit of measurement: From 50 till 300 the unit of measurement means bd (baud). For higher values the adequate unit of measurement is bps (bit per second).

- More circuits with the same value are assigned by the number of circuits, a cross (x) and the value. E.g.: 2x300 (that means two connections with 300 bd)
- More circuits with different values are identified by the values separated by a plus (+).
E.g.: 200+300 (that means two connections, one with 200 bd and one with 300 bd)
- For values more than thousand the expression "k" is used.
E.g.: 9.6k (that means 9600 bits per second or 9.6 kilo bit per second)
- For values more than million the expression "M" is (shall be) used.
E.g.: 2M (that means 2 Mega bits per second)

2.3 Changes in the Part IV

2.3.1 Changes within COM charts or in tables are not indicated.

2.3.2 The Part IV will be updated yearly if necessary. The latest and actual versions of the COM Charts of the ICAO Regions can be downloaded from the AMC by authorised users.

http://www.eurocontrol.int/amc/public/subsite_homepage/homepage.html

3 COM Charts

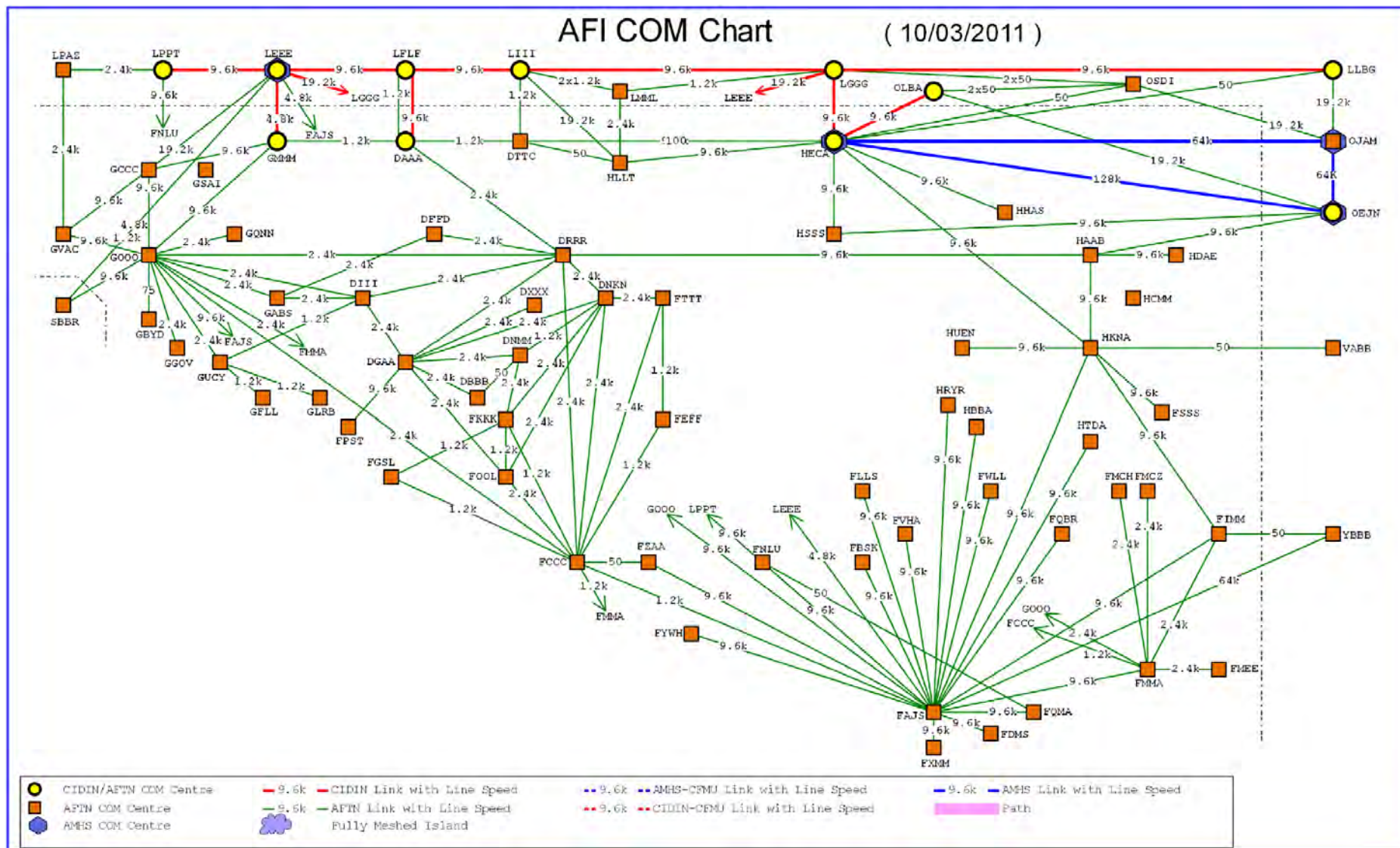
3.1 This Chapter contains following COM Charts of the ICAO Regions:

- COM Chart of AFI Region
- COM Chart of ASIA/PAC Region
- COM Chart of EUR/NAT Region
- COM Chart of MID Region
- COM Chart of NAM/CAR Region
- COM Chart of SAM Region

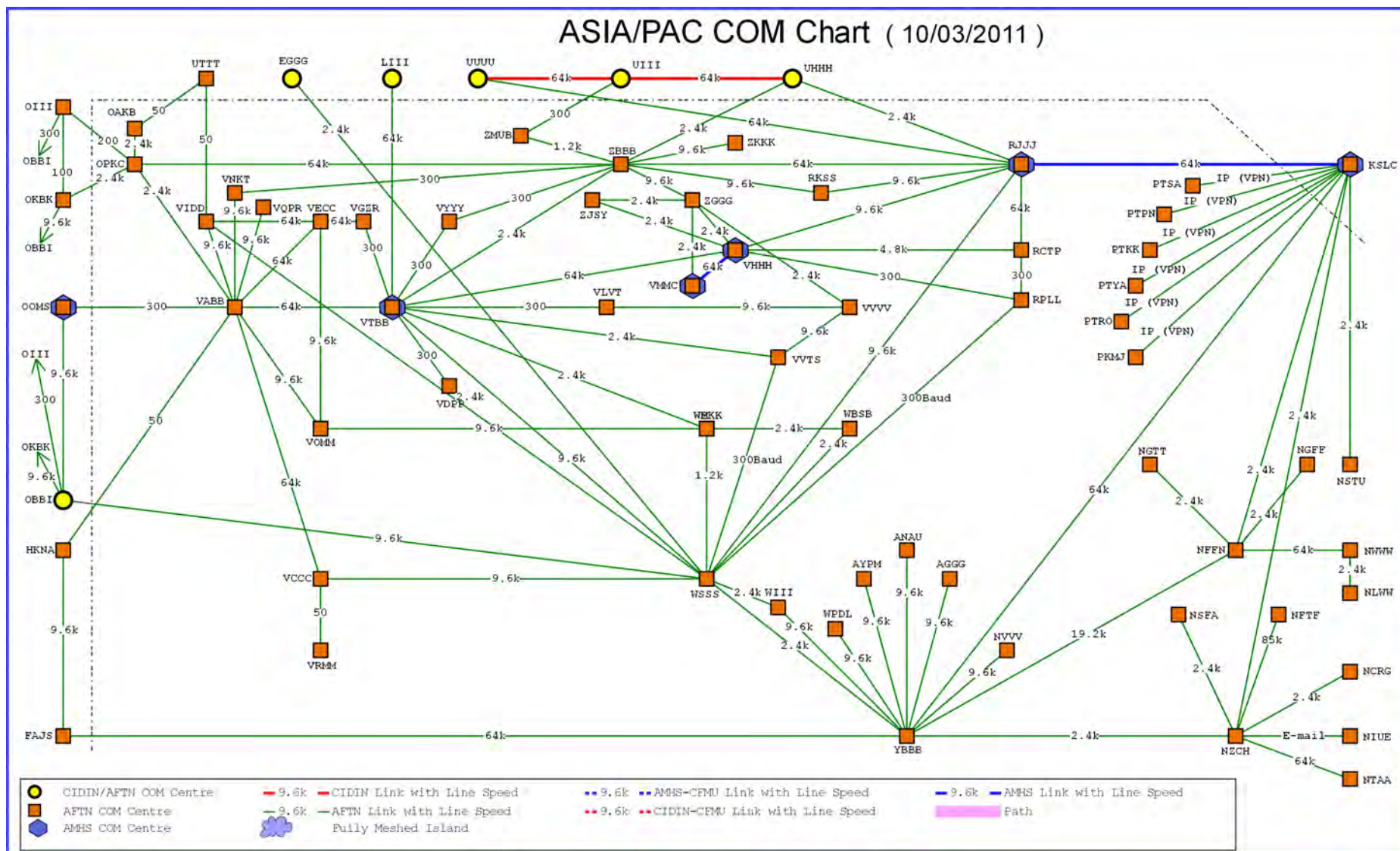
3.2 The latest and actual versions of the COM Charts are available at the ATS Messaging Management Centre (AMC) and can be downloaded by the CCC Operator and other AMC users, subject to access rights granted to the considered user category.

(http://www.eurocontrol.int/amc/public/subsite_homepage/homepage.html)

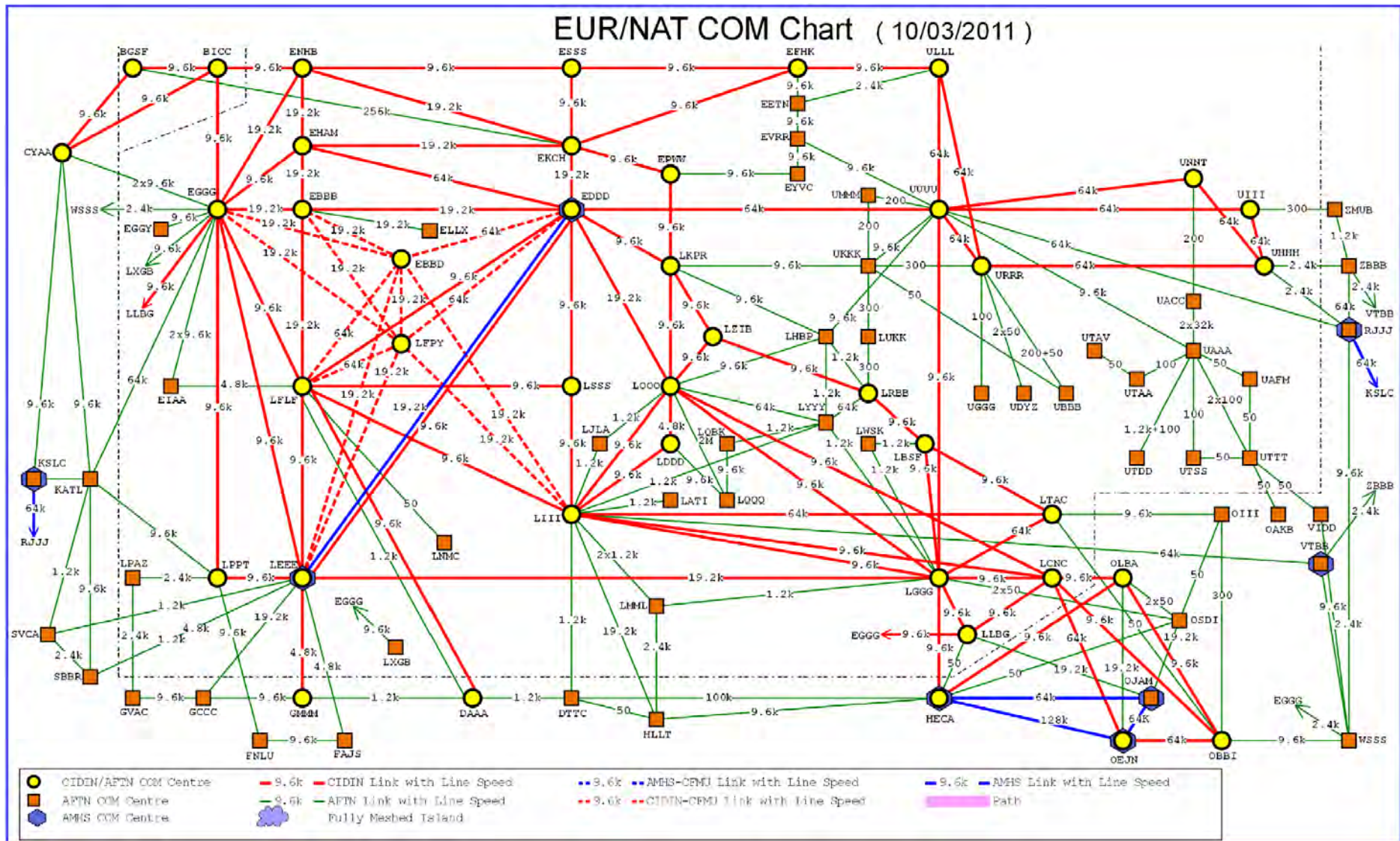
3.1 COM Chart of AFI Region



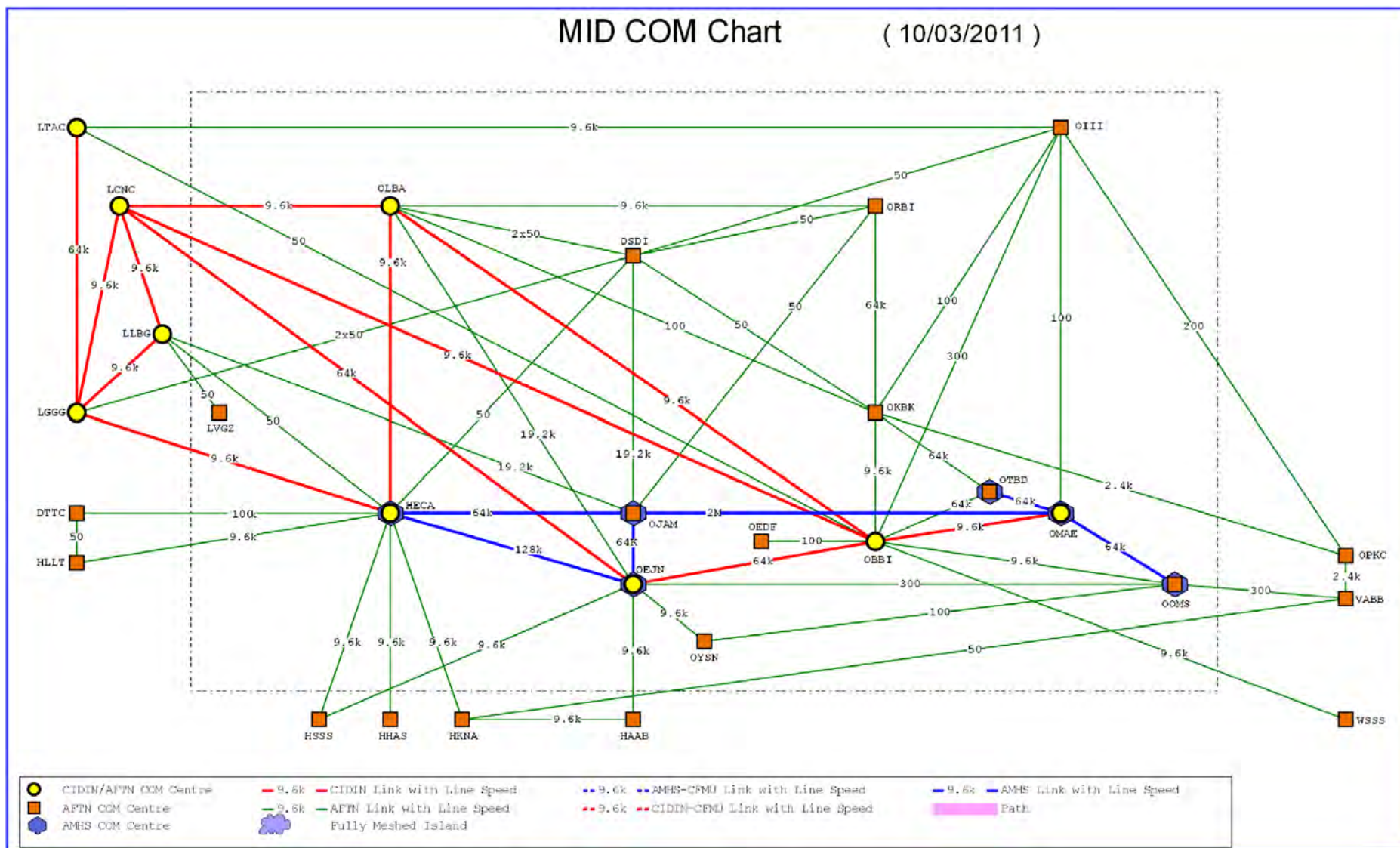
3.2 COM Chart of ASIA/PAC Region



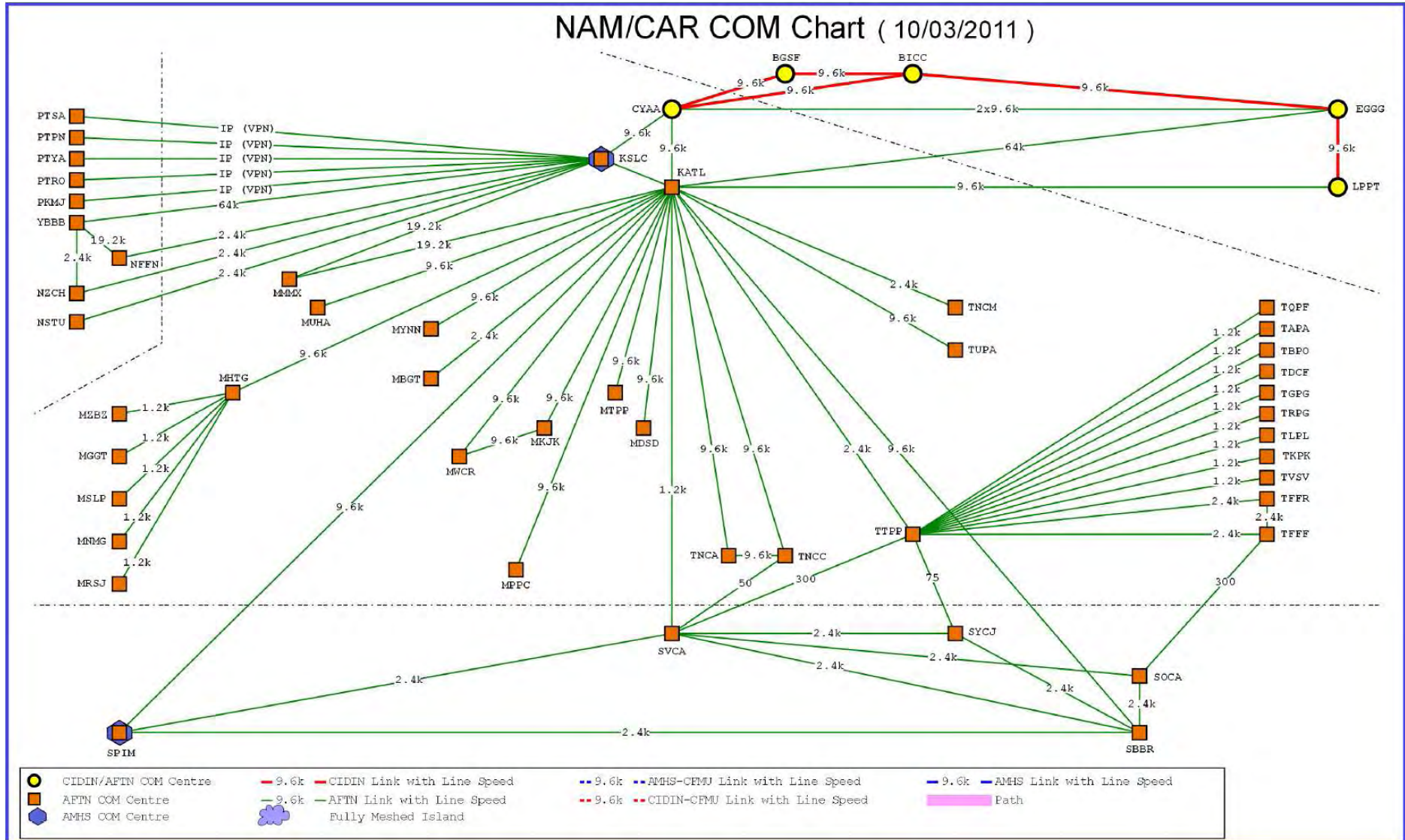
3.3 COM Chart of EUR/NAT Region



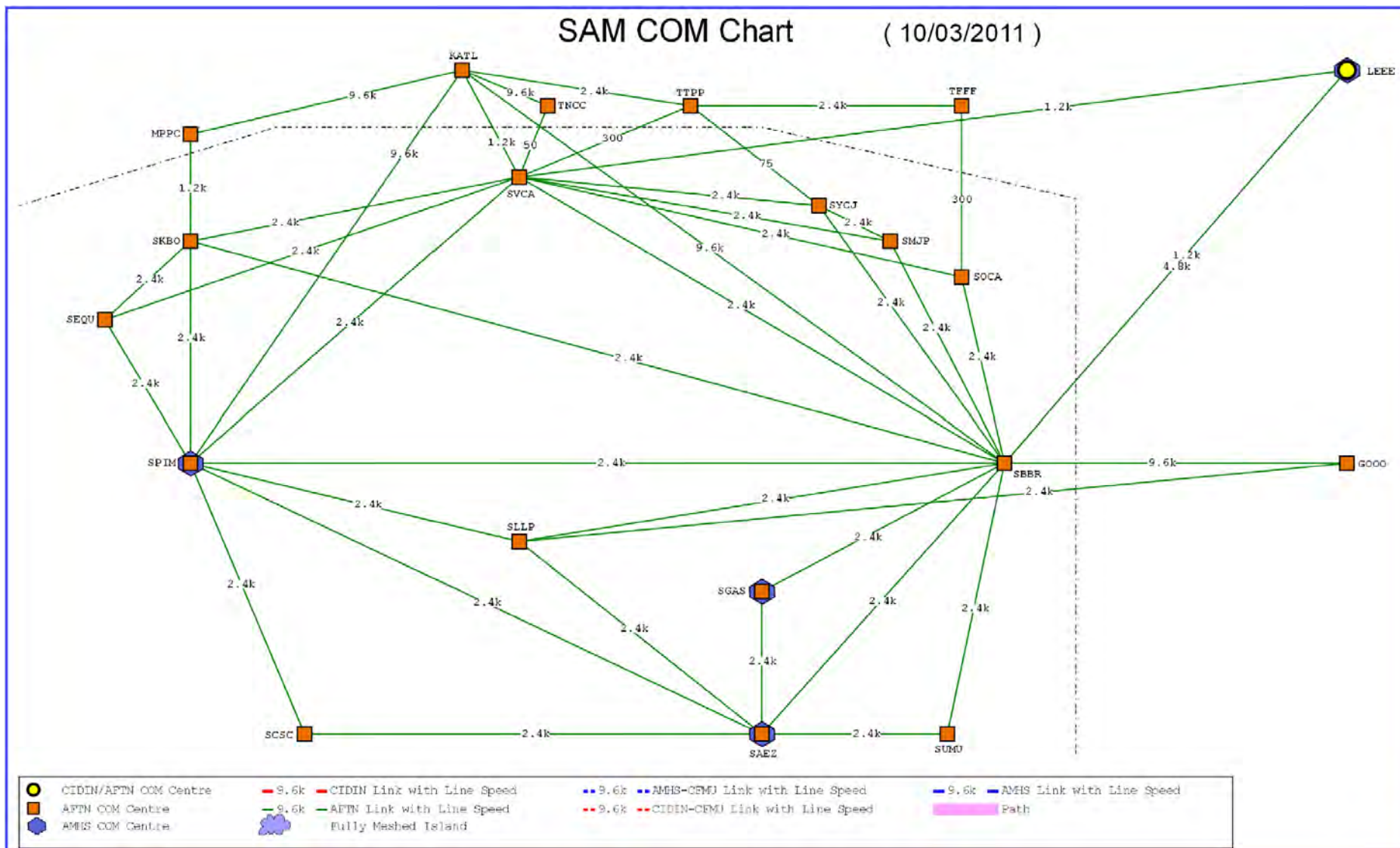
3.4 COM Chart of MID Region



3.5 COM Chart of NAM/CAR Region



3.6 COM Chart of SAM Region



4 Tables of COM Centres and its Location Indicators (Doc 7910-134, DEC 2010)

4.1 Table of the COM Centres in the AFI Region

4.1.1 Listed in alphabetical order by **State/Territory Name**

State/Territory	Location Indicator	Location Name
Algeria	DAAA	ALGER (ACC)
Angola	FNLU	LUANDA/4 DE FEVEREIRO
Benin	DBBB	CARDINAL BERNARDIN GANTIN DE CADJEHOUN INTERNATIONAL
Botswana	FBSK	GABORONE/SIR SERETSE KHAMA INT'L
Burkina Faso	DFFD	OUAGADOUGOU/AEROPORT
Burundi	HBBA	BUJUMBURA
Cameroon	FKKK	DOUALA (ACC/COM)
Canary Islands	GCCC	CANARIAS FIC/ACC
Cape Verde	GVAC	AMILCAR CABRAL/SAL ISLAND
Central African Republic	FEFF	BANGUI/M'POKO
Chad	FTTT	N'DJAMENA (FIC,COM)
Comoros	FMCH	MORONI/PRINCE SAID IBRAHIM
Congo	FCCC	BRAZZAVILLE (FIC,COM,NOF)
Côte d'Ivoire	DIII	ABIDJAN (FIS,ACC,COM)
Democratic Republic of the Congo	FZAA	KINSHASA/N'DJILI
Djibouti	HDAE	AS-EYLA
Egypt	HECA	CAIRO/INTL
Equatorial Guinea	FGSL	MALABO
Eritrea	HHAS	ASMARA AIS/APP/COM/MET/TWR
Ethiopia	HAAB	ADDIS ABABA/BOLE COM/MET/NOF
Gabon	FOOL	LIBREVILLE/LEON M'BA
Gambia	GBYD	BANJUL INTERNATIONAL
Ghana	DGAA	ACCRA/KOTOKA INTERNATIONAL
Guinea	GUCY	CONAKRY/GBESSIA
Guinea-Bissau	GGOV	BISSAU/OSWALDO VIEIRA INTL
Kenya	HKNA	NAIROBI ACC,FIC,RCC,COM
Lesotho	FXMM	MASERU MOSHOESHOE I
Liberia	GLRB	MONROVIA/ROBERTS INTL
Libyan Arab Jamahiriya	HLLT	TRIPOLI (TRIPOLI INTL)
Madagascar	FMCZ	DZAOUZDI
Madagascar	FMMA	ANTANANARIVO/ARIVONIMAMO
Malawi	FWLL	LILONGWE (FIR/FIC/COM CENTRE)
Mali	GABS	BAMAKO/SENOU
Mauritania	GQNN	NOUAKCHOTT/AEROPORT
Mauritius	FIMM	MAURITIUS FIR
Morocco	GMMM	CASABLANCA (ACC/FIC)
Mozambique	FQBR	BEIRA

State/Territory	Location Indicator	Location Name
Mozambique	FQMA	MAPUTO
Namibia	FYWH	HOSEA KUTAKO INTL AIRPORT
Niger	DRRR	NIAMEY (FIC,ACC,COM)
Nigeria	DNKN	KANO/MALLAM AMINU KANO
Nigeria	DNMM	LAGOS/MURTALA MUHAMMED
Réunion	FMEE	SAINT DENIS GILLOT
Rwanda	HRYR	KIGALI INTERNATIONAL AIRPORT
Sao Tome and Principe	FPST	SAO TOME/INTERNATIONAL,SAO TOME ISLAND
Senegal	GOOO	DAKAR (FIC,ACC,COM,NOF)
Seychelles	FSSS	SEYCHELLES ATCC/FIR
Sierra Leone	GFLI	FREETOWN/LUNGI
Somalia	HCMM	MOGADISHU
South Africa	FAJS	O.R TAMBO INTERNATIONAL AIRPORT
Sudan	HSSS	KHARTOUM
Swaziland	FDMS	MANZINI/MATSAPHA
Togo	DXXX	LOME/GNASSINGBE EYADEMA
Tunisia	DTTC	TUNIS (ACC/FIC,RPL,FMP,AFS,NOF...)
Uganda	HUEN	ENTEBBE (INTL)
United Republic of Tanzania	HTDA	DAR ES SALAAM APP,TWR,NOF,MET,COM,CIVIL AIRLINES
Western Sahara	GSAI	EL AAIUN
Zambia	FLLS	LUSAKA/INTL
Zimbabwe	FVHA	HARARE INTERNATIONAL

4.1.2 Listed in alphabetical order by **Location Indicator**

State/Territory	Location Indicator	Location Name
Algeria	DAAA	ALGER (ACC)
Benin	DBBB	CARDINAL BERNARDIN GANTIN DE CADJEHOUN INTERNATIONAL
Burkina Faso	DFFD	OUAGADOUGOU/AEROPORT
Ghana	DGAA	ACCRA/KOTOKA INTERNATIONAL
Côte d'Ivoire	DIII	ABIDJAN (FIS,ACC,COM)
Nigeria	DNKN	KANO/MALLAM AMINU KANO
Nigeria	DNMM	LAGOS/MURTALA MUHAMMED
Niger	DRRR	NIAMEY (FIC,ACC,COM)
Tunisia	DTTC	TUNIS (ACC/FIC,RPL,FMP,AFS,NOF...)
Togo	DXXX	LOME/GNASSINGBE EYADEMA
South Africa	FAJS	O.R TAMBO INTERNATIONAL AIRPORT
Botswana	FBSK	GABORONE/SIR SERETSE KHAMA INT'L
Congo	FCCC	BRAZZAVILLE (FIC,COM,NOF)
Swaziland	FDMS	MANZINI/MATSAPHA
Central African Republic	FEFF	BANGUI/M'POKO
Equatorial Guinea	FGSL	MALABO
Mauritius	FIMM	MAURITIUS FIR
Cameroon	FKKK	DOUALA (ACC/COM)
Zambia	FLLS	LUSAKA/INTL

State/Territory	Location Indicator	Location Name
Comoros	FMCH	MORONI/PRINCE SAID IBRAHIM
Madagascar	FMCZ	DZAOUDZI
Réunion	FMEE	SAINT DENIS GILLOT
Madagascar	FMMA	ANTANANARIVO/ARIVONIMAMO
Angola	FNLU	LUANDA/4 DE FEVEREIRO
Gabon	FOOL	LIBREVILLE/LEON M'BA
Sao Tome and Principe	FPST	SAO TOME/INTERNATIONAL,SAO TOME ISLAND
Mozambique	FQBR	BEIRA
Mozambique	FQMA	MAPUTO
Seychelles	FSSS	SEYCHELLES ATCC/FIR
Chad	FTTT	N'DJAMENA (FIC,COM)
Zimbabwe	FVHA	HARARE INTERNATIONAL
Malawi	FWLL	LILONGWE (FIR/FIC/COM CENTRE)
Lesotho	FXMM	MASERU MOSHOESHOE I
Namibia	FYWH	HOSEA KUTAKO INTL AIRPORT
Democratic Republic of the Congo	FZAA	KINSHASA/N'DJILI
Mali	GABS	BAMAKO/SENOU
Gambia	GBYD	BANJUL INTERNATIONAL
Canary Islands	GCCC	CANARIAS FIC/ACC
Sierra Leone	GFLI	FREETOWN/LUNGI
Guinea-Bissau	GGOV	BISSAU/OSWALDO VIEIRA INTL
Liberia	GLRB	MONROVIA/ROBERTS INTL
Morocco	GMMM	CASABLANCA (ACC/FIC)
Senegal	GOOO	DAKAR (FIC,ACC,COM,NOF)
Mauritania	GQNN	NOUAKCHOTT/AEROPORT
Western Sahara	GSAI	EL AAIUN
Guinea	GUCY	CONAKRY/GBESSIA
Cape Verde	GVAC	AMILCAR CABRAL/SAL ISLAND
Ethiopia	HAAB	ADDIS ABABA/BOLE COM/MET/NOF
Burundi	HBBA	BUJUMBURA
Somalia	HCMM	MOGADISHU
Djibouti	HDAE	AS-EYLA
Egypt	HECA	CAIRO/INTL
Eritrea	HHAS	ASMARA AIS/APP/COM/MET/TWR
Kenya	HKNA	NAIROBI ACC,FIC,RCC,COM
Libyan Arab Jamahiriya	HLLT	TRIPOLI (TRIPOLI INTL)
Rwanda	HRYR	KIGALI INTERNATIONAL AIRPORT
Sudan	HSSS	KHARTOUM
United Republic of Tanzania	HTDA	DAR ES SALAAM APP,TWR,NOF,MET,COM,CIVIL AIRLINES
Uganda	HUEN	ENTEebbe (INTL)

4.2 Table of the COM Centres in the ASIA/PAC Region

4.2.1 Listed in alphabetical order by **State/Territory Name**

State/Territory	Location Indicator	Location Name
Afghanistan	OAKB	KABUL AD
American Samoa	NSTU	PAGO PAGO INTERNATIONAL, TUTUILA I.
Australia	YBBB	BRISBANE (FIR/FIC/ACC/COM/MET/NOF)
Bangladesh	VGZR	ZIA INTL.AIRPORT, DHAKA
Bhutan	VQPR	PARO/INTL
Brunei Darussalam	WBSB	BRUNEI/INTL
Cambodia	VDPP	PHNOM PENH
China	RCTP	TAIBEI CITY/TAIBEI INTL AP
China	ZBBB	BEIJING CITY
China	ZGGG	GUANGZHOU/BAIYUN
China	ZJSY	SANYA/PHOENIX
Cook Islands	NCRG	RAROTONGA INTL.
Democratic People's Republic of Korea	ZKKK	PYONGYANG (CITY)
Fiji	NFFN	NADI/INTL
French Polynesia	NTAA	TAHITI FAAA
Hong Kong, China	VHHH	HONG KONG/INTERNATIONAL
India	VABB	MUMBAI
India	VECC	KOLKATA
India	VIDD	DELHI (SAFDARJUNG)
India	VOMM	CHENNAI
Indonesia	WIII	JAKARTA INTL/SOEKARNO-HATTA
Japan	RJJJ	FUKUOKA/JCAB AIR TRAFFIC MANAGEMENT CENTRE, AFTN/AMHS COM CENTER
Kiribati	NGTT	TARAWA/BETIO (COM)
Lao People's Democratic Republic	VLVT	VIENTIANE(WATTAY)
Macao, China	VMMC	MACAOU INTERNATIONAL
Malaysia (Peninsular)	WMKK	SEPANG/KL INTERNATIONAL AIRPORT
Maldives	VRMM	MALE INTERNATIONAL AIRPORT
Marshall Islands	PKMJ	MARSHALL ISLANDS/INTL MAJUORO ATOLL
Micronesia (Federated States of)	PTKK	WENO ISLAND ,FM CHUUK INTL.
Micronesia (Federated States of)	PTPN	POHNPEI INTL,POHNPEI ISLAND
Micronesia (Federated States of)	PTSA	KOSRAE,KOSRAE ISLAND
Micronesia (Federated States of)	PTYA	YAP INTL,YAP ISLAND
Mongolia	ZMUB	ULAANBAATAR/CHINGGIS KHAAN
Myanmar	VYYY	YANGON INTERNATIONAL
Nauru	ANAU	NAURU FIR
Nepal	VNKT	KATHMANDU

State/Territory	Location Indicator	Location Name
New Caledonia	NWWW	NOUMEA LA TONTOUTA
New Zealand	NZCH	CHRISTCHURCH INTL
Niue	NIUE	NIUE INTL
Pakistan	OPKC	KARACHI/JINNAH INT'L
Palau	PTRO	BABELTHUAP/KOROR, BABELTHUAP ISLAND
Papua New Guinea	AYPM	PORT MORESBY ACC/FIC/COM
Philippines	RPLL	MANILA/NINYOY AQUINO INTL
Republic of Korea	RKSS	GIMPO
Samoa	NSFA	FALEOLO/INTL
Singapore	WSSS	SINGAPORE/CHANGI
Solomon Islands	AGGG	HONIARA (FIC)
Sri Lanka	VCCC	RATMALANA/COLOMBO
Thailand	VTBB	BANGKOK (ACC/FIC/COM CENTRE)
Timor-Leste	WPDL	DILI/PRESIDENTE NICOLAU LOBATO INTERNATIONAL AIRPORT
Tonga	NFTF	FUA'AMOTU INTL.
Tuvalu	NGFF	FUNAFUTI (COM)
Vanuatu	NVVV	PORT VILA/BAUERFIELD
Viet Nam	VVTS	HO CHI MINH/TAN SON NHAT
Viet Nam	VVVV	HA NOI
Wallis and Futuna Islands	NLWW	WALLIS HIHIFO

4.2.2 Listed in alphabetical order by **Location Indicator**

State/Territory	Location Indicator	Location Name
Solomon Islands	AGGG	HONIARA (FIC)
Nauru	ANAU	NAURU FIR
Papua New Guinea	AYPM	PORT MORESBY ACC/FIC/COM
Cook Islands	NCRG	RAROTONGA INTL.
Fiji	NFFN	NADI/INTL
Tonga	NFTF	FUA'AMOTU INTL.
Tuvalu	NGFF	FUNAFUTI (COM)
Kiribati	NGTT	TARAWA/BETIO (COM)
Niue	NIUE	NIUE INTL
Wallis and Futuna Islands	NLWW	WALLIS HIHIFO
Samoa	NSFA	FALEOLO/INTL
American Samoa	NSTU	PAGO PAGO INTERNATIONAL, TUTUILA I.
French Polynesia	NTAA	TAHITI FAAA
Vanuatu	NVVV	PORT VILA/BAUERFIELD
New Caledonia	NWWW	NOUMEA LA TONTOUTA
New Zealand	NZCH	CHRISTCHURCH INTL
Afghanistan	OAKB	KABUL AD
Pakistan	OPKC	KARACHI/JINNAH INT'L
Marshall Islands	PKMJ	MARSHALL ISLANDS/INTL MAJURO ATOLL
Micronesia (Federated States of)	PTKK	WENO ISLAND ,FM CHUUK INTL.

State/Territory	Location Indicator	Location Name
Micronesia (Federated States of)	PTPN	POHNPEI INTL, POHNPEI ISLAND
Palau	PTRO	BABELTHUAP/KOROR, BABELTHUAP ISLAND
Micronesia (Federated States of)	PTSA	KOSRAE, KOSRAE ISLAND
Micronesia (Federated States of)	PTYA	YAP INTL, YAP ISLAND
China	RCTP	TAIBEI CITY/TAIBEI INTL AP
Japan	RJJJ	FUKUOKA/JCAB AIR TRAFFIC MANAGEMENT CENTRE, AFTN/AMHS COM CENTER
Republic of Korea	RKSS	GIMPO
Philippines	RPLL	MANILA/NINYOY AQUINO INTL
India	VABB	MUMBAI
Sri Lanka	VCCC	RATMALANA/COLOMBO
Cambodia	VDPP	PHNOM PENH
India	VECC	KOLKATA
Bangladesh	VGZR	ZIA INTL AIRPORT, DHAKA
Hong Kong, China	VHHH	HONG KONG/INTERNATIONAL
India	VIDD	DELHI (SAFDARJUNG)
Lao People's Democratic Republic	VLVT	VIENTIANE (WATTAY)
Macao, China	VMMC	MACAOU INTERNATIONAL
Nepal	VNKT	KATHMANDU
India	VOMM	CHENNAI
Bhutan	VQPR	PARO/INTL
Maldives	VRMM	MALE INTERNATIONAL AIRPORT
Thailand	VTBB	BANGKOK (ACC/FIC/COM CENTRE)
Viet Nam	VVTS	HO CHI MINH/TAN SON NHAT
Viet Nam	VVVV	HA NOI
Myanmar	VYYY	YANGON INTERNATIONAL
Brunei Darussalam	WBSB	BRUNEI/INTL
Indonesia	WIII	JAKARTA INTL/SOEKARNO-HATTA
Malaysia (Peninsular)	WMKK	SEPANG/KL INTERNATIONAL AIRPORT
Timor-Leste	WPDL	DILI/PRESIDENTE NICOLAU LOBATO INTERNATIONAL AIRPORT
Singapore	WSSS	SINGAPORE/CHANGI
Australia	YBBB	BRISBANE (FIR/FIC/ACC/COM/MET/NOF)
China	ZBBB	BEIJING CITY
China	ZGGG	GUANGZHOU/BAIYUN
China	ZJSY	SANYA/PHOENIX
Democratic People's Republic of Korea	ZKKK	PYONGYANG (CITY)
Mongolia	ZMUB	ULAANBAATAR/CHINGGIS KHAAN

4.3 Table of the COM Centres in the EUR/NAT Region

4.3.1 Listed in alphabetical order by **State/Territory Name**

State/Territory	Location Indicator	Location Name
Albania	LATI	TIRANA
Areas Under The Control Of The Palestinian Authority	LVGZ	YASSER ARAFAT INTERNATIONAL AIRPORT
Armenia	UDYZ	YEREVAN
Austria	LOOO	COM CENTRE WIEN
Azerbaijan	UBBB	HEYDAR ALIYEV INTERNATIONAL AIRPORT
Belarus	UMMM	MINSK-1
Belgium	EBBB	BRUSSELS (COM CENTRE)
Belgium	EBBD	EUROPEAN CENTRAL FLOW MANAGEMENT UNIT (CFMU) MAIN
Bosnia and Herzegovina	LQBK	BANJA LUKA
Bosnia and Herzegovina	LQQQ	AFTN COM CENTER SARAJEVO
Bulgaria	LBSF	SOFIA
Croatia	LDDD	ZAGREB (AFTN)
Cyprus	LCNC	NICOSIA/INTL (DCA)
Czech Republic	LKPR	PRAHA/RUZYNE
Denmark	EKCH	KOBENHAVN/KASTRUP
Estonia	EETN	LENNART MERI TALLINN
Finland	EFHK	HELSINKI-VANTAA (CIVIL AVIATION AUTHORITY)
France	LFLF	BORDEAUX (COM)
France	LFPY	BRETIGNY-SUR-ORGE
Georgia	UGGG	TBILISI FIR
Germany	EDDD	FRANKFURT/MAIN INTL COM AFTN CENTRE
Gibraltar	LXGB	GIBRALTAR (NORTH FRONT)
Greece	LGGG	ATHINAI (ACC,FIC,COM,SAR,FIR/HELLAS ,UIR)
Greenland	BGSF	KANGERLUSSUAQ
Hungary	LHBP	BUDAPEST/FERIHEGY
Iceland	BICC	REYKJAVIK GUFUNES COM CENTRE
Ireland	EIAA	SHANNON COM CENTRE
Israel	LLBG	TEL-AVIV/BEN GURION AIRPORT
Italy	LIII	ROMA CENTRO COM INTL
Kazakhstan	UAAA	ALMATY
Kazakhstan	UACC	ASTANA
Kyrgyzstan	UAFM	BISHKEK/MANAS
Latvia	EVRR	RIGA (FIC/ACC/AFS COM.CENTER)
Lithuania	EYVC	VILNIUS (ACC/FIC/COM/RCC)
Luxembourg	ELLX	LUXEMBOURG/LUXEMBOURG
Malta	LMML	LUQA AIRPORT
Monaco	LNMC	MONACO
Netherlands	EHAM	AMSTERDAM/SCHIPHOL
Norway	ENHB	HEGGEBAKKEN(AFTN COM CENTRE)
Poland	EPWW	WARSZAWA/ACC
Portugal (Madeira and Azores)	LPAZ	SANTA MARIA

Portugal (Madeira and Azores)	LPPT	LISBOA
Republic of Moldova	LUKK	CHISINAU/INTERNATIONAL
Romania	LRBB	CIVIL AERONAUTICAL AUTHORITY
Russian Federation	UHHH	KHABAROVSK/NOVY
Russian Federation	UIII	IRKUTSK
Russian Federation	ULLL	SANKT-PETERBURG (AFTN/CIDIN COM CENTRE, CTA/FIR AFTMU)
Russian Federation	UNNT	NOVOSIBIRSK/TOLMACHEVO
Russian Federation	URRR	ROSTOV-NA-DONU
Russian Federation	UUUU	MOSCOW, AFTN/CIDIN COM CENTRE, CITY
Serbia	LYYY	BEOGRAD(INTL AFTN CENTAR/CENTRE)
Slovakia	LZIB	BRATISLAVA/M.R.STEFANIK
Slovenia	LJLA	LJUBLJANA (ACC/FIR,AFTN)
Spain	LEEE	CENTRO DE RETRANSMISION AUTOMATICA DE MADRID
Sweden	ESSS	AFTN CENTRAL/AFTN CENTRE
Switzerland	LSSS	COM CENTRE SUISSE (GENEVE)
Tajikistan	UTDD	DUSHANBE
The Former Yugoslav Republic of Macedonia	LWSK	SKOPJE
Turkey	LTAC	ANKARA/ESENBAGA
Turkmenistan	UTAA	ASHGABAT
Turkmenistan	UTAV	TURKMENABAT
Ukraine	UKKK	KYIV/ZHULIANY
United Kingdom	EGGG	UK AFTN/CIDIN CENTRE
United Kingdom	EGGY	UK MOTNE CENTRE
Uzbekistan	UTSS	SAMARKAND
Uzbekistan	UTTT	TASHKENT/YUZHNY

4.3.2 Listed in alphabetical order by **Location Indicator**

State/Territory	Location Indicator	Location Name
Greenland	BGSF	KANGERLUSSUAQ
Iceland	BICC	REYKJAVIK GUFUNES COM CENTRE
Belgium	EBBB	BRUSSELS (COM CENTRE)
Belgium	EBBD	EUROPEAN CENTRAL FLOW MANAGEMENT UNIT (CFMU) MAIN
Germany	EDDD	FRANKFURT/MAIN INTL COM AFTN CENTRE
Estonia	EETN	LENNART MERI TALLINN
Finland	EFHK	HELSINKI-VANTAA (CIVIL AVIATION AUTHORITY)
United Kingdom	EGGG	UK AFTN/CIDIN CENTRE
United Kingdom	EGGY	UK MOTNE CENTRE
Netherlands	EHAM	AMSTERDAM/SCHIPHOL
Ireland	EIAA	SHANNON COM CENTRE
Denmark	EKCH	KOBENHAVN/KASTRUP
Luxembourg	ELLX	LUXEMBOURG/LUXEMBOURG
Norway	ENHB	HEGGEBAKKEN(AFTN COM CENTRE)
Poland	EPWW	WARSZAWA/ACC
Sweden	ESSS	AFTN CENTRAL/AFTN CENTRE
Latvia	EVRR	RIGA (FIC/ACC/AFS COM.CENTER)

State/Territory	Location Indicator	Location Name
Lithuania	EYVC	VILNIUS (ACC/FIC/COM/RCC)
Albania	LATI	TIRANA
Bulgaria	LBSF	SOFIA
Cyprus	LCNC	NICOSIA/INTL (DCA)
Croatia	LDDD	ZAGREB (AFTN)
Spain	LEEE	CENTRO DE RETRANSMISION AUTOMATICA DE MADRID
France	LFLF	BORDEAUX (COM)
France	LFPY	BRETIGNY-SUR-ORGE
Greece	LGGG	ATHINAI (ACC,FIC,COM,SAR,FIR/HELLAS ,UIR)
Hungary	LHBP	BUDAPEST/FERIHEGY
Italy	LIII	ROMA CENTRO COM INTL
Slovenia	LJLA	LJUBLJANA (ACC/FIR,AFTN)
Czech Republic	LKPR	PRAHA/RUZYNE
Israel	LLBG	TEL-AVIV/BEN GURION AIRPORT
Malta	LMML	LUQA AIRPORT
Monaco	LNMC	MONACO
Austria	LOOO	COM CENTRE WIEN
Portugal (Madeira and Azores)	LPAZ	SANTA MARIA
Portugal (Madeira and Azores)	LPPT	LISBOA
Bosnia and Herzegovina	LQBK	BANJA LUKA
Bosnia and Herzegovina	LQQQ	AFTN COM CENTER SARAJEVO
Romania	LRBB	CIVIL AERONAUTICAL AUTHORITY
Switzerland	LSSS	COM CENTRE SUISSE (GENEVE)
Turkey	LTAC	ANKARA/ESENOGA
Republic of Moldova	LUKK	CHISINAU/INTERNATIONAL
Areas Under The Control Of The Palestinian Authority	LVGZ	YASSER ARAFAT INTERNATIONAL AIRPORT
The Former Yugoslav Republic of Macedonia	LWSK	SKOPJE
Gibraltar	LXGB	GIBRALTAR (NORTH FRONT)
Serbia	LYYY	BEOGRAD(INTL AFTN CENTAR/CENTRE)
Slovakia	LZIB	BRATISLAVA/M.R.STEFANIK
Kazakhstan	UAAA	ALMATY
Kazakhstan	UACC	ASTANA
Kyrgyzstan	UAFM	BISHKEK/MANAS
Azerbaijan	UBBB	HEYDAR ALIYEV INTERNATIONAL AIRPORT
Armenia	UDYZ	YEREVAN
Georgia	UGGG	TBILISI FIR
Russian Federation	UHHH	KHABAROVSK/NOVY
Russian Federation	UIII	IRKUTSK
Ukraine	UKKK	KYIV/ZHULIANY
Russian Federation	ULLL	SANKT-PETERBURG (AFTN/CIDIN COM CENTRE, CTA/FIR AFTMU)
Belarus	UMMM	MINSK-1
Russian Federation	UNNT	NOVOSIBIRSK/TOLMACHEVO
Russian Federation	URRR	ROSTOV-NA-DONU
Turkmenistan	UTAA	ASHGABAT
Turkmenistan	UTAV	TURKMENABAT

State/Territory	Location Indicator	Location Name
Tajikistan	UTDD	DUSHANBE
Uzbekistan	UTSS	SAMARKAND
Uzbekistan	UTTT	TASHKENT/YUZHNY
Russian Federation	UUUU	MOSCOW, AFTN/CIDIN COM CENTRE, CITY

4.4 Table of the COM Centres in the MID Region

4.4.1 Listed in alphabetical order by **State/Territory Name**

State/Territory	Location Indicator	Location Name
Bahrain	OBBI	BAHRAIN INTERNATIONAL
Egypt	HECA	CAIRO/INTL
Iran (Islamic Republic of)	OIII	TEHRAN/MEHRABAD INTL
Iraq	ORBI	BAGHDAD INTERNATIONAL AIRPORT
Jordan	OJAM	AMMAN/MARKA
Kuwait	OKBK	KUWAIT/INTL AIRPORT
Lebanon	OLBA	BEIRUT/BEIRUT INTL
Oman	OOMS	MUSCAT/MUSCAT INTL
Qatar	OTBD	DOHA INTERNATIONAL
Saudi Arabia	OEDF	DAMMAM/KING FAHD INTERNATIONAL
Saudi Arabia	OEJN	JEDDAH/KING ABDULAZIZ INTERNATIONAL
Syrian Arab Republic	OSDI	DAMASCUS/INTL
United Arab Emirates	OMAE	EMIRATES FIR
Yemen	OYSN	SANAA/INTL

4.4.2 Listed in alphabetical order by **Location Indicator**

State/Territory	Location Indicator	Location Name
Egypt	HECA	CAIRO/INTL
Bahrain	OBBI	BAHRAIN INTERNATIONAL
Saudi Arabia	OEDF	DAMMAM/KING FAHD INTERNATIONAL
Saudi Arabia	OEJN	JEDDAH/KING ABDULAZIZ INTERNATIONAL
Iran (Islamic Republic of)	OIII	TEHRAN/MEHRABAD INTL
Jordan	OJAM	AMMAN/MARKA
Kuwait	OKBK	KUWAIT/INTL AIRPORT
Lebanon	OLBA	BEIRUT/BEIRUT INTL
United Arab Emirates	OMAE	EMIRATES FIR
Oman	OOMS	MUSCAT/MUSCAT INTL
Iraq	ORBI	BAGHDAD INTERNATIONAL AIRPORT
Syrian Arab Republic	OSDI	DAMASCUS/INTL
Qatar	OTBD	DOHA INTERNATIONAL
Yemen	OYSN	SANAA/INTL

4.5 Table of the COM Centres in the NAM/CAR Region

4.5.1 Listed in alphabetical order by **State/Territory Name**

State/Territory	Location Indicator	Location Name
Anguilla	TQPF	CLAYTON J. LLOYD ,ANGUILLA
Antigua and Barbuda	TAPA	V.C.BIRD,ANTIGUA
Aruba	TNCA	ORANJESTAD/BEATRIX
Bahamas	MYNN	LYNDEN PINDLING INTERNATIONAL
Barbados	TBPO	BRIDGETOWN, BARBADOS
Belize	MZBZ	PHILIP S.W. GOLDSON INTERNATIONAL
British Virgin Islands	TUPA	AUGUSTE GEORGE, ANEGADA
Canada	CYAA	OTTAWA (AFTN SYSTEM CONTROL CENTRE), ON
Cayman Islands	MWCR	OWEN ROBERTS INTL/GRAND CAYMAN
Costa Rica	MRSJ	SAN JOSE (CIUDAD)
Cuba	MUHA	HABANA/JOSE MARTI INTL.
Dominica	TDCF	CANEFIELD, DOMINICA
Dominican Republic	MDSD	SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ
El Salvador	MSLP	AEROPUERTO INTERNACIONAL EL SAVADOR
French Antilles	TFFF	AIME CESAIRE, MARTINIQUE
French Antilles	TFFR	POINTE-A-PITRE, LE RAIZET, GUADELOUPE
Grenada	TGPG	ST GEORGES, GRENADA
Guatemala	MGGT	LA AURORA
Haiti	MTPP	PORT-AU-PRINCE/INTL
Honduras	MHTG	TEGUCIGALPA/TONCONTIN INTL
Jamaica	MKJK	KINGSTON (CITY, ACC, FIR)
Mexico	MMMX	MEXICO
Montserrat	TRPG	JOHN A. OSBORNE, MONTSERRAT
Netherlands Antilles	TNCC	CURACAO/AEROPUERTO HATO
Netherlands Antilles	TNCM	ST. MAARTEN/PRINCESS JULIANA
Nicaragua	MNMG	MANAGUA/MANAGUA
Puerto Rico	TJSJ	SAN JUAN/LUIS MUNOZ MARIN INTERNATIONAL, PR.
Saint Kitts and Nevis	TKPK	ROBERT L. BRADSHAW, ST. CHRISTOPHER (ST. KITTS) AND NEVIS
Saint Lucia	TLPL	HEWANORRA SAINT LUCIA
Saint Vincent and the Grenadines	TVSV	E.T.JOSHUA, ST. VINCENT, AND THE GRENADINES
Trinidad and Tobago	TTPP	PIARCO, TRINIDAD
Turks and Caicos Islands	MBGT	JAGS MCCARTNEY INTERNATIONAL AIRPORT GRAND TURK
United States	KATL	HARTSFIELD - JACKSON ATLANTA INTERNATIONAL, GA.
United States	KSLC	SALT LAKE CITY INTERNATIONAL, UT.

4.5.2 Listed in alphabetical order by **Location Indicator**

State/Territory	Location Indicator	Location Name
Canada	CYAA	OTTAWA (AFTN SYSTEM CONTROL CENTRE), ON
United States	KATL	HARTSFIELD - JACKSON ATLANTA INTERNATIONAL, GA.
United States	KSLC	SALT LAKE CITY INTERNATIONAL, UT.

State/Territory	Location Indicator	Location Name
Turks and Caicos Islands	MBGT	JAGS MCCARTNEY INTERNATIONAL AIRPORT GRAND TURK
Dominican Republic	MDSD	SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ
Guatemala	MGGT	LA AURORA
Honduras	MHTG	TEGUCIGALPA/TONCONTIN INTL
Jamaica	MKJK	KINGSTON (CITY,ACC,FIR)
Mexico	MMMX	MEXICO
Nicaragua	MNMG	MANAGUA/MANAGUA
Costa Rica	MRSJ	SAN JOSE (CIUDAD)
El Salvador	MSLP	AEROPUERTO INTERNACIONAL EL SAVADOR
Haiti	MTPP	PORT-AU-PRINCE/INTL
Cuba	MUHA	HABANA/JOSE MARTI INTL.
Cayman Islands	MWCR	OWEN ROBERTS INTL/GRAND CAYMAN
Bahamas	MYNN	LYNDEN PINDLING INTERNATIONAL
Belize	MZBZ	PHILIP S.W. GOLDSON INTERNATIONAL
Antigua and Barbuda	TAPA	V.C.BIRD,ANTIGUA
Barbados	TBPO	BRIDGETOWN, BARBADOS
Dominica	TDCF	CANEFIELD, DOMINICA
French Antilles	TFFF	AIME CESAIRE, MARTINIQUE
French Antilles	TFFR	POINTE-A-PITRE, LE RAIZET, GUADELOUPE
Grenada	TGPG	ST GEORGES, GRENADA
Puerto Rico	TJSJ	SAN JUAN/LUIS MUNOZ MARIN INTERNATIONAL, PR.
Saint Kitts and Nevis	TKPK	ROBERT L. BRADSHAW, ST. CHRISTOPHER (ST. KITTS) AND NEVIS
Saint Lucia	TLPL	HEWANORRA SAINT LUCIA
Aruba	TNCA	ORANJESTAD/BEATRIX
Netherlands Antilles	TNCC	CURACAO/AEROPUERTO HATO
Netherlands Antilles	TNCM	ST. MAARTEN/PRINCESS JULIANA
Anguilla	TQPF	CLAYTON J. LLOYD , ANGUILLA
Montserrat	TRPG	JOHN A. OSBORNE, MONTSERRAT
Trinidad and Tobago	TTPP	PIARCO, TRINIDAD
British Virgin Islands	TUPA	AUGUSTE GEORGE, ANEGADA
Saint Vincent and the Grenadines	TVSV	E.T.JOSHUA, ST. VINCENT, AND THE GRENADINES

4.6 Table of the COM Centres in the SAM Region

4.6.1 Listed in alphabetical order by **State/Territory Name**

State/Territory	Location Indicator	Location Name
Argentina	SAEZ	EZEIZA MINISTRO PISTARINI (BA)
Bolivia	SLLP	LA PAZ
Brazil	SBBR	BRASILIA/PRES. JUSCELINO KUBITSCHKEK, DF
Chile	SCSC	SANTIAGO/D.G.A.C
Colombia	SKBO	BOGOTA INTL/CUNDINAMARCA
Ecuador	SEQU	QUITO
French Guiana	SOCA	CAYENNE-ROCHAMBEAU
Guyana	SYCJ	CHEDDI JAGAN INTL AIRPORT
Panama	MPPC	CENTRO AFTN/PANAMA
Paraguay	SGAS	ASUNCION/S.PETTIROSSI
Peru	SPIM	LIMA-CALLAO/INTL JORGE CHAVEZ
Suriname	SMJP	JOHAN ADOLF PENGEL
Uruguay	SUMU	MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO"
Venezuela	SVCA	CARACAS, CENTRO COM, MAIQUETIA, VARGAS

4.6.2 Listed in alphabetical order by **Location Indicator**

State/Territory	Location Indicator	Location Name
Panama	MPPC	CENTRO AFTN/PANAMA
Argentina	SAEZ	EZEIZA MINISTRO PISTARINI (BA)
Brazil	SBBR	BRASILIA/PRES. JUSCELINO KUBITSCHKEK, DF
Chile	SCSC	SANTIAGO/D.G.A.C
Ecuador	SEQU	QUITO
Paraguay	SGAS	ASUNCION/S.PETTIROSSI
Colombia	SKBO	BOGOTA INTL/CUNDINAMARCA
Bolivia	SLLP	LA PAZ
Suriname	SMJP	JOHAN ADOLF PENGEL
French Guiana	SOCA	CAYENNE-ROCHAMBEAU
Peru	SPIM	LIMA-CALLAO/INTL JORGE CHAVEZ
Uruguay	SUMU	MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO"
Venezuela	SVCA	CARACAS, CENTRO COM, MAIQUETIA, VARGAS
Guyana	SYCJ	CHEDDI JAGAN INTL AIRPORT

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