



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

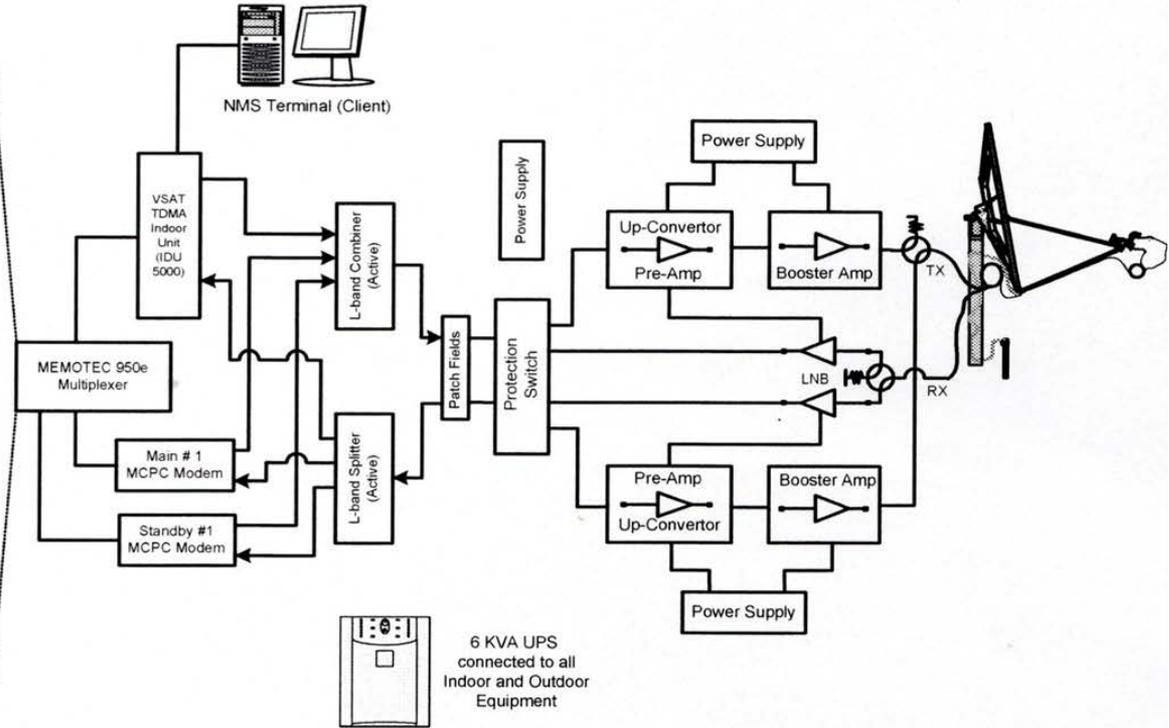
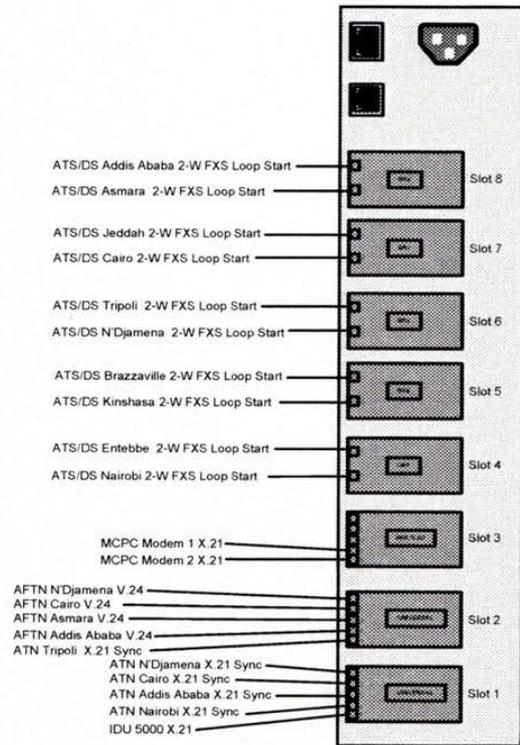
*A United Nations Specialized Agency*

# **PERFORMANCE DATA COLLECTION FORMS (PDCFs)**

IRTI/TF/1  
Agenda Item 3  
(WP/03B)

*Presented by the Secretariat*

Multiplexer  
Rear Interface panel



Example of VSAT Site Block Diagram

# Performance Data Collection Forms



## Static parameters

- Intelsat link Name
- Transponder Number
- Satellite Earth Station Coordinates (WGS-84)
- Antenna Type and Size
- Antenna Gain
- SSPA type
- Up Converter Frequency
- Down Converter Frequency

## Dynamic parameters

- EIRP
- G/T
- C/N0
- BER
- MTBF
- MTTR

## Carrier performance parameters

- Carrier failure rate
- C/N0
- BER

# Performance Data Collection Forms



## Performance of AFTN

- Column 1: Country name
- Columns 2 and 3: Terminal stations of individual links
- Column 4: Network supporting the link
- Column 5: Circuit communication protocol
- Column 6: Circuit signalling speed
- Column 7: Transit time between Terminal I and Terminal II
- Column 8: Direct circuit or routed circuit between Terminal I and Terminal II
- Columns 9-14: Monthly availability rates for six months
- Column 15: Average availability rate for six months

## Performance of ATS/DS

- Column 1: Country name
- Columns 2 and 3: Terminal stations of individual circuits
- Column 4: Network supporting the link
- Column 5: Connection time
- Column 6: Number of attempts
- Column 7: One way latency time
- Column 8: Call set up time
- Column 9: Qualitative assessment from 1 to 5 indicating voice strength and clarity
- Columns 10-15: Monthly availability rates for six months
- Column 16: Average availability rate for six months

# Performance Data Collection Forms



## Performance of AMHS

- Column 1: Country name
- Columns 2 and 3: Terminal stations of individual links
- Column 4: Network supporting the link
- Column 5: ATN application
- Column 6: Circuit communication protocol
- Column 7: Circuit speed
- Column 8: Transit time between Terminal I and Terminal II
- Column 9: Routing indicates direct circuit or routed circuit between Terminal I and Terminal II
- Columns 10-15: Monthly availability rates for six months)
- Column 16: Average availability rate for six months

## Performance of AIDC

- Column 1: Country name
- Columns 2 and 3: Terminal stations of individual links
- Column 4: Network supporting the link
- Column 5: ATN application
- Column 6: Circuit communication protocol
- Column 7: Circuit speed
- Column 8: Transit time between Terminal I and Terminal II
- Column 9: Routing indicates direct circuit or routed circuit between Terminal I and Terminal II
- Columns 10-15: Monthly availability rates for six months)
- Column 16: Average availability rate for six months

# Conclusion



Those ANSPs that have not yet done so to:

- review the PDCFs as endorsed by APIRG/18;  
and
- agree to start operational use of the PDCFs as from 1 September 2013.

# ICAO

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Safety | Security | Environment

