



# « Doing more with MPDS »

**Ghani Behloul, Maritime Marketing Director**



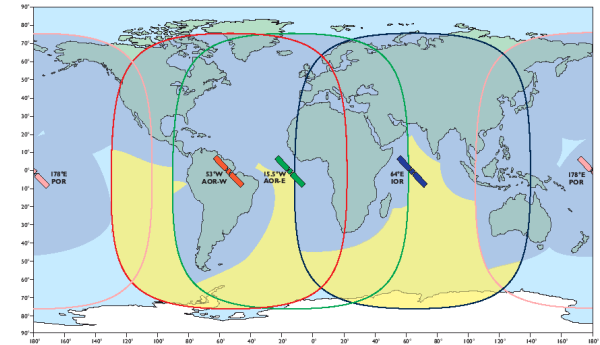
# Agenda

- i Reminder on MPDS
- i Number of users and usage
- i Benefits
- i Doing more...
  - q Control
  - q Security
  - q Compression



# Reminder on MPDS

- i Inmarsat Mobile Packet Data Service
  - q 1<sup>st</sup> launched on GAN/M4 (2001)
  - q introduced on F77 in 2002, F55 in 2003, F33 in 2004
  
- i Packet switched service (billed per volume)
  - q Shared bandwidth (64Kbps)
  - q Best effort service
  - q “Call waiting” introduced in 2004
  - q Extended coverage (spot to global) for F55 & F33 thanks to I3→I4 migration (IOR done)





# MPDS Users

- i June 2005: around 5750 active Fleet units
  - q F77: 3900 ; F33: 1100 ; F55: 750
  
- i 1 Fleet over 3 uses MPDS
  - q F77: 32% of the terminals
  - q F55: 37% of the terminals
  - q F33: 27% of the terminals
  
- i FTMSC top market segments user :
  - q Trading: 30%
  - q Yachting: 29%
  - q Others (fishing, government..): 27%



# MPDS usages

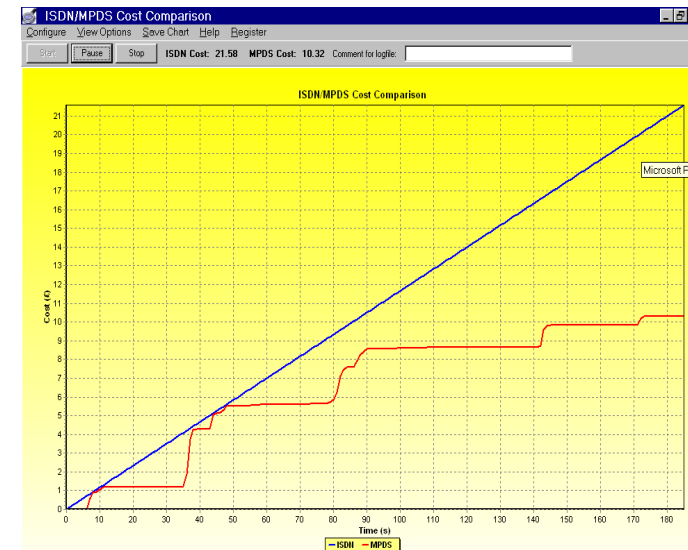
- i Mainly used for Web-browsing and E-mail:
  - q 70% is http
  - q 25% is smtp/pop (e-mail)
  - q Other protocols marginal
  
- i Usage profile close to DSL/GPRS profile
  - q 75% of the data exchanged comes from the Internet
  - q 25% of the data exchanged send by the mobile
  - q 90% of MPDS traffic generated through Private Dynamic IP addresses; only few customers use Fixed IP addressing possibility
  
- i MPDS users acknowledge stability and reliability (almost 100% connections are successful), **with average throughput ~20 Kbps.**

# Benefits



## i Cost comparison between MPDS and Circuit switched service : ISDN64K or 9.6 K Data

- q ISDN
  - u 8 time more expensive ; 3 time faster
- q 9,6 K data
  - u 3 time more expensive ; 2 time slower
- q MPDS : no dial-up time



## i Idle time and type of application used is key

- q Ideal for light-size file transfer, e-mail and web-browsing
- q Not adapted for large file transfer and “bandwidth-demanding” application (videoconferencing...)

# Solution 1 : control



- i MPDS Click-on-page
  - q “firewall” to restrict the usage of the MPDS channel to specific IP protocol (eg: barring of UDP port) and DNS (restriction to company intranet)
  - q Real-time update on the traffic (in/out) of the mobile
  - q Accessible from mobile or internet (ssl protected via password)
  
- i Traffic Monitoring System and Traffic Info System
  - q Real-time Online system to credit one terminal with X MB of data
  - q Credit threshold alert via E-mail (20%), before call cut
  
- i Scratch & Web – for crew mailing
  - q prepaid card loaded with customized amount of packet
  - q automatic barring when credit reaches zero
  - q card can be reloaded online

# Solution 2 : securing data transfer

- i Per default : dynamic private address provided
  - q Pros: mobile not visible from the internet =protection from intrusion and unwanted traffic&bill
  - q Cons: not possible to communicate with the mobile from the internet
  - q 90% of MPDS user
  
- i Range of solutions for data communications security & connectivity
  - q VPN over satellite link
  - q Terrestrial internet VPN
  - q Leased Lines up to your POP
  - q Backbone interconnection to your network provider

# Solution 3 : compression



- i E-mail
  - q Skyfile compatible with IP mode
  - q to come: least cost routing MPDS vs CSS (ISDN)
  
- i Web-browsing
  - q HTTP 1.1 - GZIP compression
  - q simple configuration of Internet Explorer
  - q to come:
  
- i To come with BGAN : main IP protocol compression configurable via Webportal



# Our role

- i Provide best quality satellite and terrestrial link/connectivity, plus the tools and support to optimise the use of your application over satellite
  - q details info on service features and limits
  - q active technical support for the setting of the interconnection (router configuration, test...)
  - q host of your equipment...
  
- i Provide application when there is a sense to mutualize an investment across various product and market (E-mail with Skyfile, Prepaid card with Scratc&Web...)

# For more information



**i** Joerg Volker – sales manager for Scandinavia

**q** [joerg.volker@francetelecom.com](mailto:joerg.volker@francetelecom.com)

**q** mobile: +49 171 541 0991



**i** Ghani Behloul

**q** [ghani.behloul@francetelecom.com](mailto:ghani.behloul@francetelecom.com)

**q** mobile : +33 680 598 958



**i** Visit us on our booth D 0521



**Thanks**  
**for your attention!**