Governmental Applications

Advance Business Communication via Satellite

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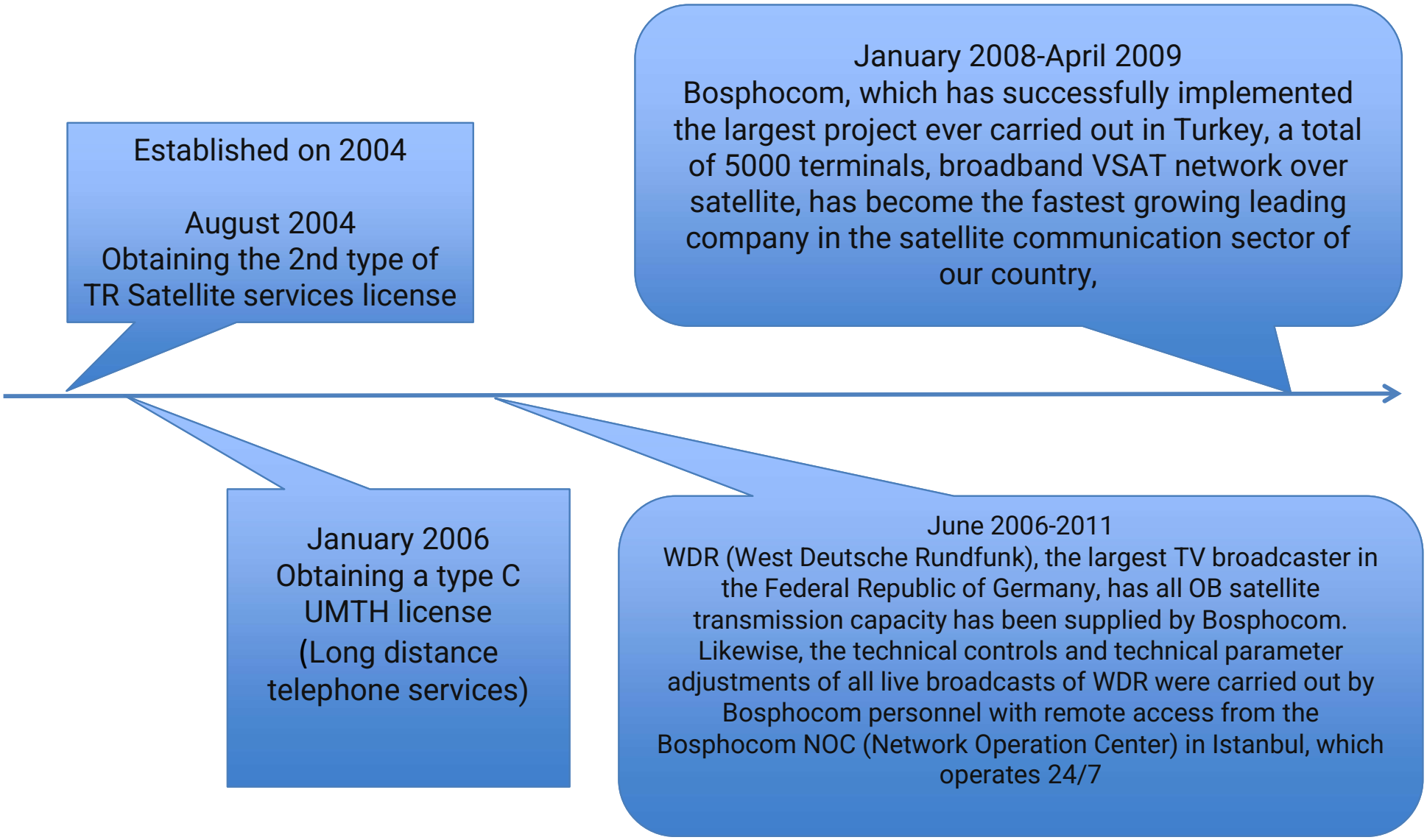
Bosphocom Timeline (1)



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Bosphocom Timeline (2)

2006-2012
Bosphocom, which establishes closed-circuit corporate communication networks at home and abroad; It has established communication infrastructure for many companies in Afghanistan, Turkmenistan, Syria and Iraq. References include companies with a widespread network such as Petro Canada, Ina Oil, Kolin Construction, Ülker.

2013-2014
The satellite communication infrastructure used for radar, radio and data communication transmission between all air traffic control points of LCAA (Libyan Civil Aviation Authority) has been procured, installed and commissioned by Bosphocom.

2016–present

Bosphocom, which is active in the field of low orbit (LEO) satellites with its extensive experience in the field of satellite communications; It continues its activities in the field of corporate satellite communication and continues to be a service provider.

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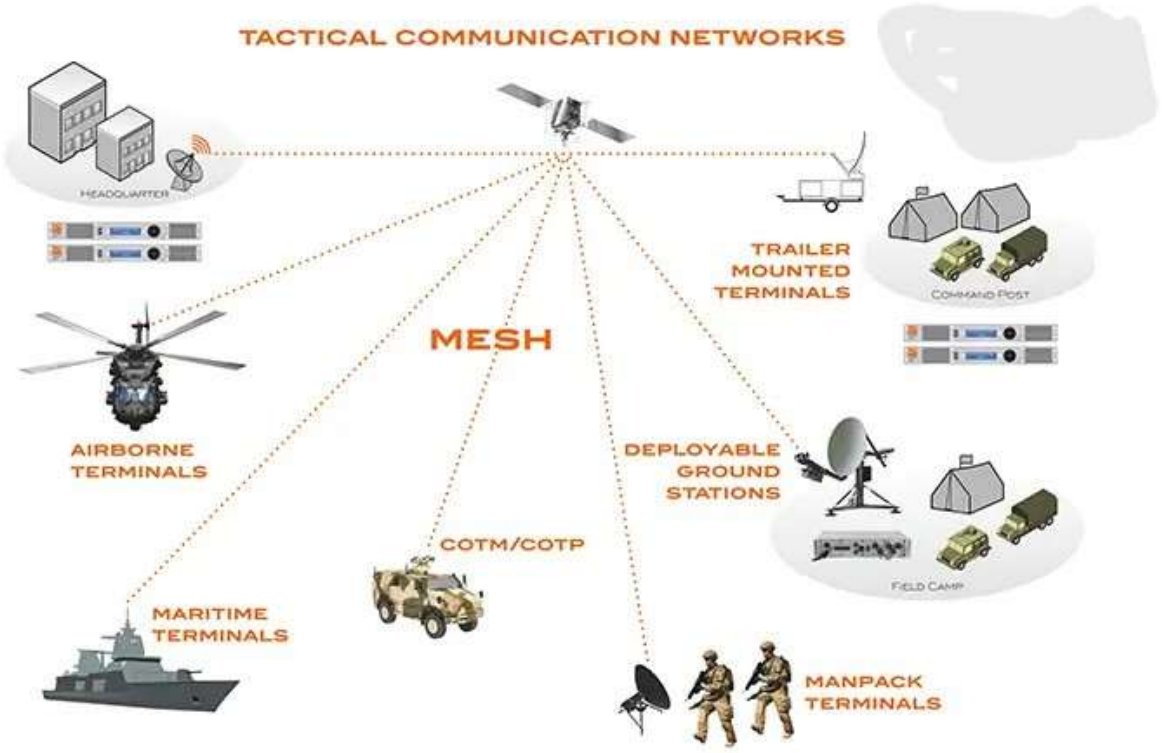
Defence Communication Networks

- **Key Features:**
  - Fully independent of terrestrial infrastructure
  - Mobile, transportable stations provide access to any location
  - Combination of all services; Data, Voice, Video
  - Highest encryption and security levels



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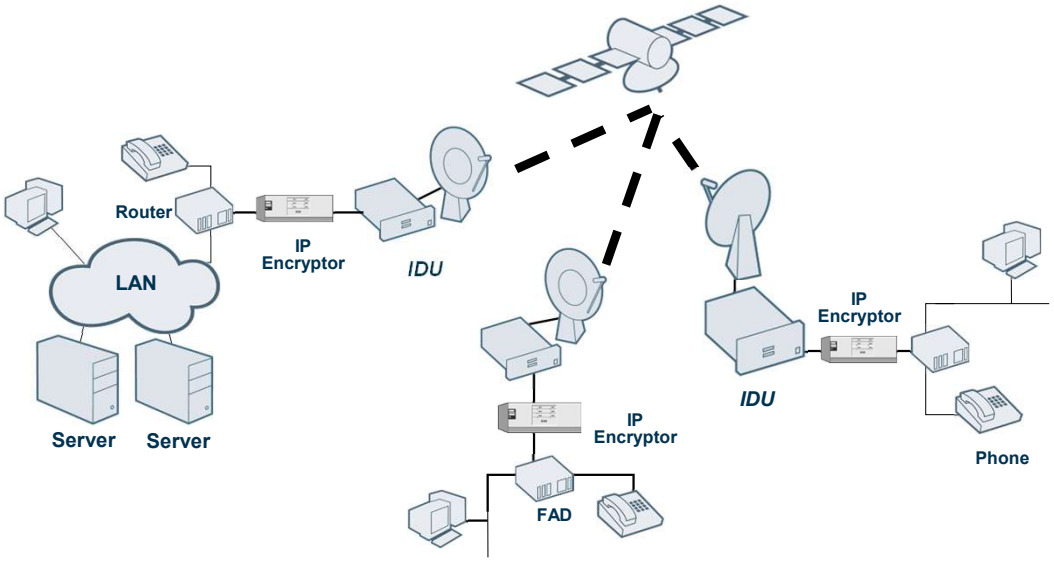
Embassy Communication Networks

- **Key Features:**

- Fully independent of terrestrial infrastructure
- Direct connection to neighboring countries during emergencies
- Combination of all services - data, voice, video
- Video broadcast capabilities
- High security through end-to-end encryption
- Cost-effective through bandwidth and service sharing
- Global communications with high performance and reliability



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Border Control

- **Key Features:**

- Fully independent from local infrastructure and political situations
- Mobile, transportable stations provide access to any location
- Combination of all services - data, voice, video
- High security through end-to-end encryption
- Cost effective through bandwidth and service sharing
- Global communications with high performance and reliability
- In some regions of the world, it has become increasingly important for countries to be able to secure their borders. Data collection transmission to security centers is necessary to enable quick reaction and decision making.

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General Applications

- **Key Features:**

- LAN to LAN interconnection via built-in LAN bridge
- SAP or other client-server applications
- SCADA and other legacy protocols such as HDLC, SDLC, ASYNC, BSC
- Internet access, with all related applications
- Digital or analogue Voice & Fax
- Video Conferencing via IP or built in FRAD port
- Encryption of voice, fax and data over Frame Relay or IP

Key MF-TDMA Communication System Features

- Star, hybrid or meshed network topology
- High burst capability from 64 kbit/s to 8.75 Mbit/s
- Dynamic Bandwidth Allocation for IP and FR data with a total network capacity up to 70 Mbit/s
- Optimized bandwidth usage
- Guaranteed bandwidth for real-time services
- High processing power
  - Switching rate of 16000 frames/s
  - Up to 285 voice channels
- High performance
  - 2 Mbit/s data rate per FR port
  - 8 Mbit/s data rate per Ether/Fast Ethernet port
- Superior modem performance using Reed Solomon coding
- Selectable Ethernet / Fast Ethernet port
- Inbuilt IP Routing
- Inbuilt TCP Acceleration
- Transmission Power Control
- 575 MHz usable bandwidth range provides flexibility in transponder choice
- Available for C-band and Ku-band

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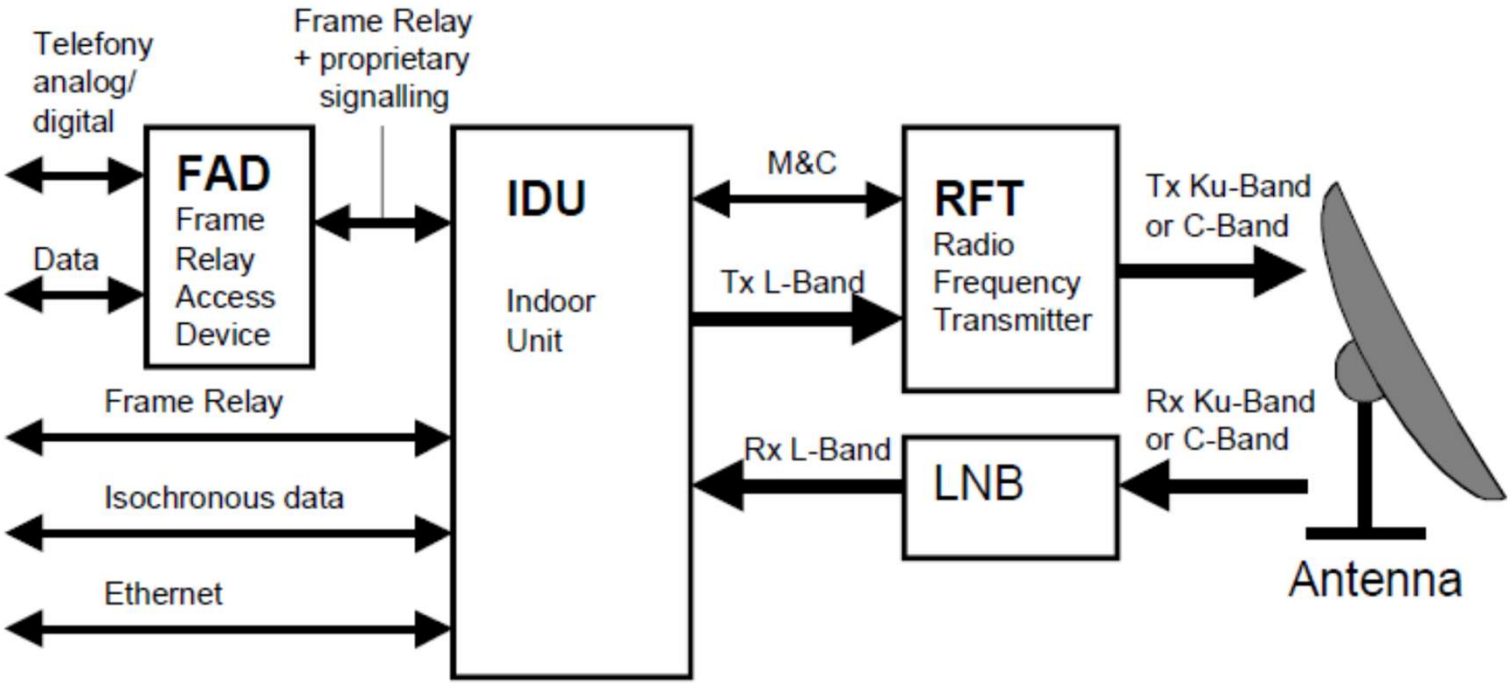
Benefits of MF-TDMA Communication System

- Fully Mesh Connectivity
- Scalabiliy of Network Capacity
- Bandwidth on Demand
- Quality of Service
- Versatility (supports modular and open system architecture)
- Ethernet/Fast Ethernet Interfaces
- Inbuilt IP Routing
- TCP Acceleration
- Selectable Ethernet / Fast Ethernet port
- FrameRelay Interface
- Network Management System

Major Components of a Typical Terminal



Bosphocom Managed Networks

Bosphocom will be responsible for :

- Analysis and design of each link
- Network design
- Provision of equipment : satellite dish with mount and HPA, cabling, IDU, Mux.
- Provision of necessary spare parts(pre-configured) for each link
- Booking and maintaining of entire space capacity
- Testing and pre-configuration of equipment
- Bosphocom internal project management
- Site survey, installation , commissioning , service and maintenance
- First level support , located in İstanbul
- Monitoring and control of customer´s network