



International Civil Aviation Organization

ATN Seminar and Third ATN Transition Task Force Meeting

Singapore, 26-30 March 2001

Agenda Item 6: Planning and Implementation Considerations

**AERONAUTICAL TELECOMMUNICATION NETWORK (ATN)
IMPLEMENTATION IN THAILAND**

(Presented by Mr. Somnuk Rongthong, Thailand)

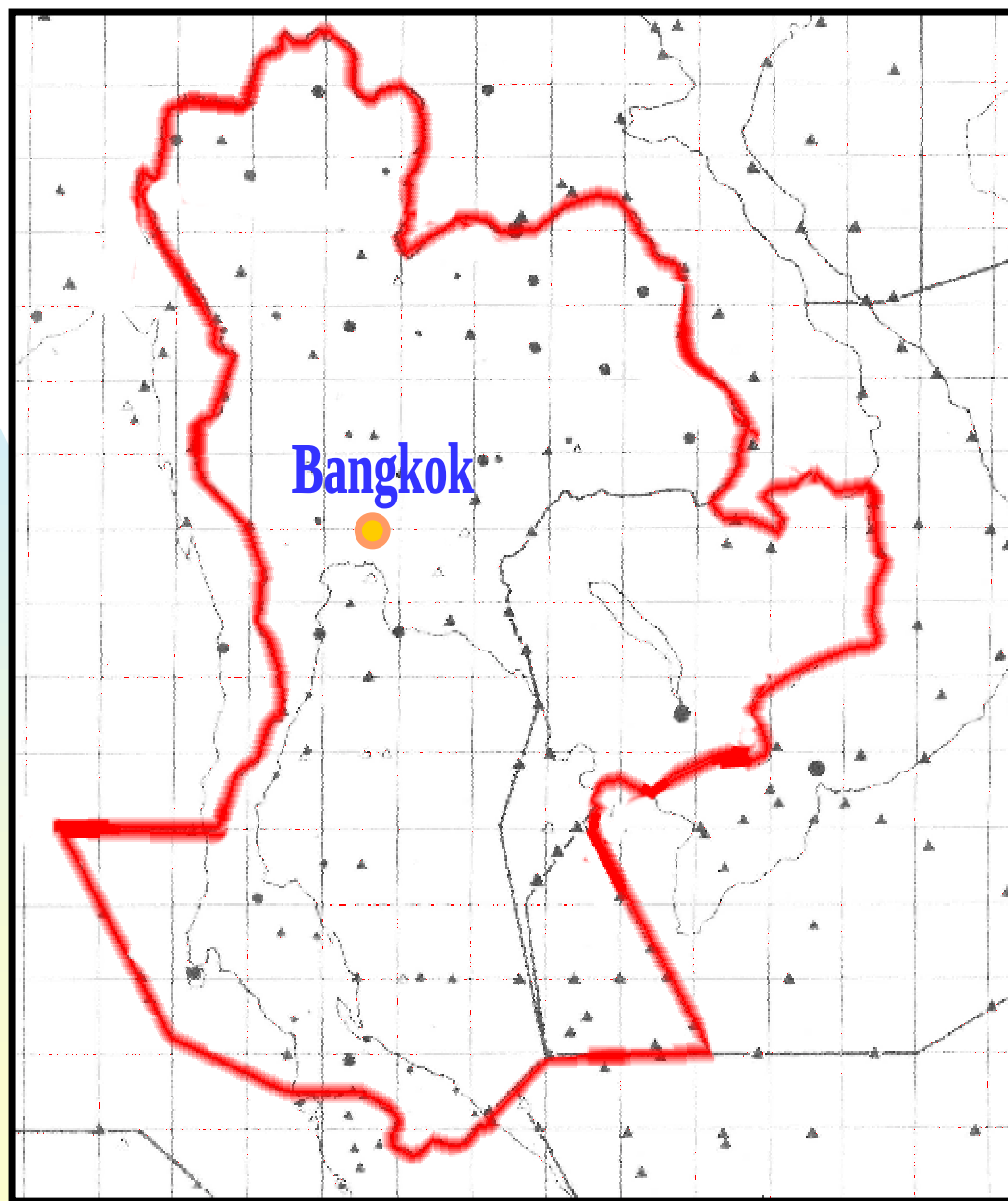
Aeronautical Telecommunication Network (ATN) Implementation in Thailand

by
Mr. Somnuk Rongthong
Vice President,
Air Traffic Service Engineering Bureau
Aeronautical Radio of Thailand LTD.

**ATN Seminar,
Singapore, 26-27 March 2001**

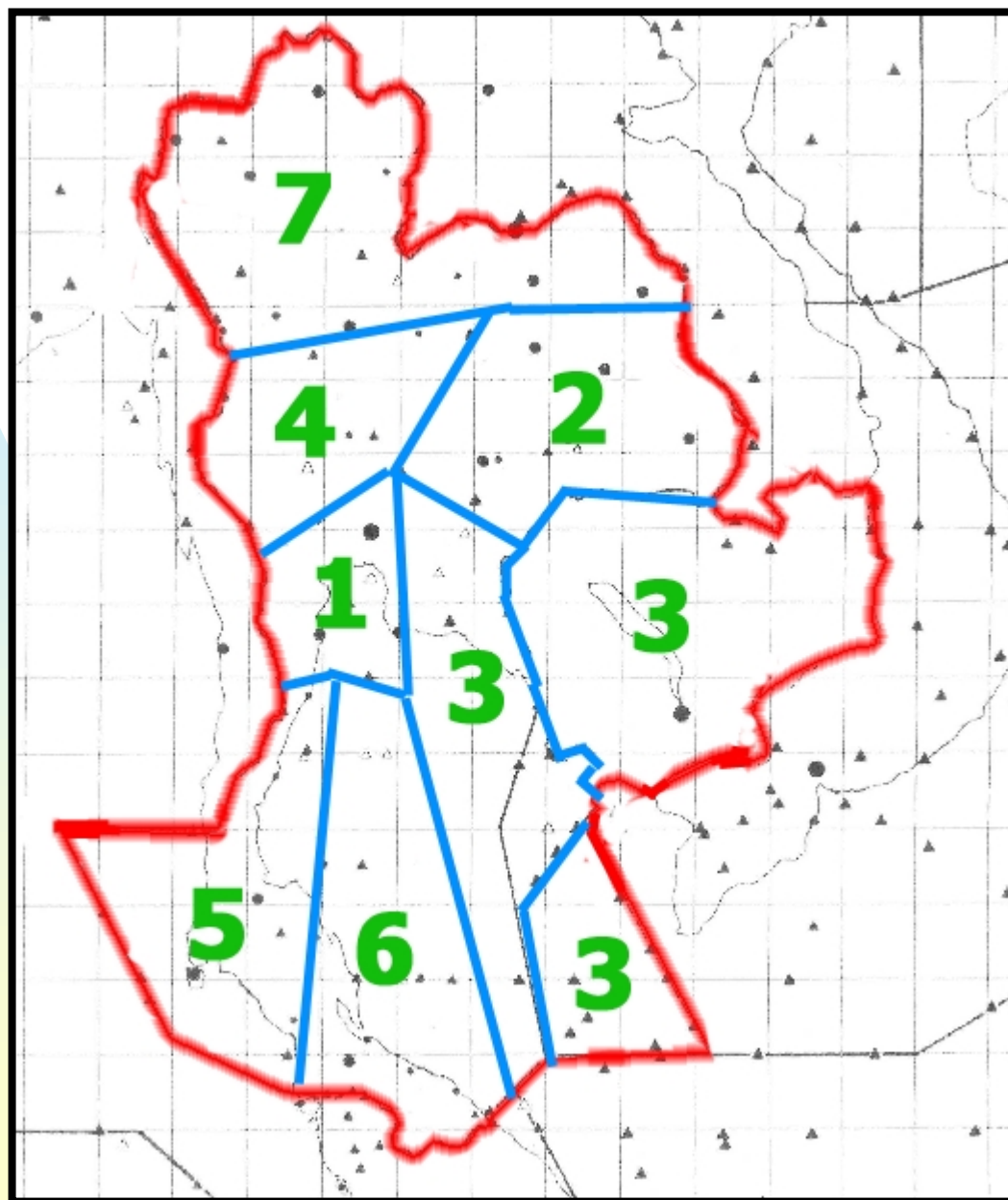
ATN Implementation in Thailand

1. Operational Concept
2. ATN Communication Service
3. ATN Applications
4. ATN Implementation Activities



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**Approach
Control Center**

Chiang Mai

Phitsanulok

Bangkok

Hat Yai

Phuket

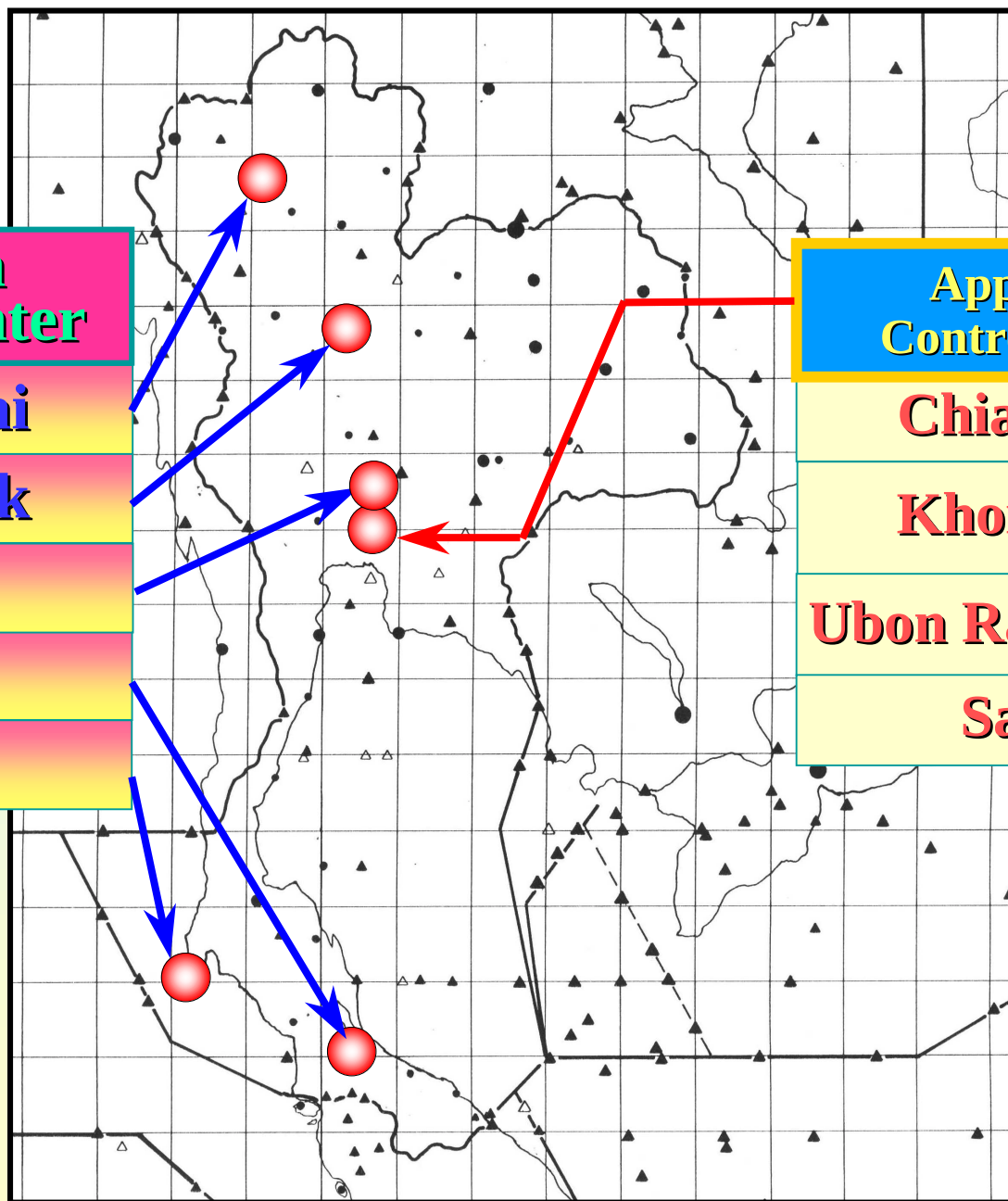
**Approach
Control Center**

Chiang Rai

Khon Kean

Ubon Ratchathani

Samui



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Chang Rai

Mae Hong Son

Chiang Mai

Lampang

Tak

Mae Sot

Phitsanulok

Phetchabun

Nakhon Ratchasima

Bangkok

ChumPhon

Ranong

Phuket

Krabi

Trang

Hat Yai

Nan

Phrae

Loei

Udon Thani

Nakhon Phanom

Sakhon Nakhon

Sukhothai

Ubon Ratchathani

Roi Et

Khon Kaen

Buriram

Huahin

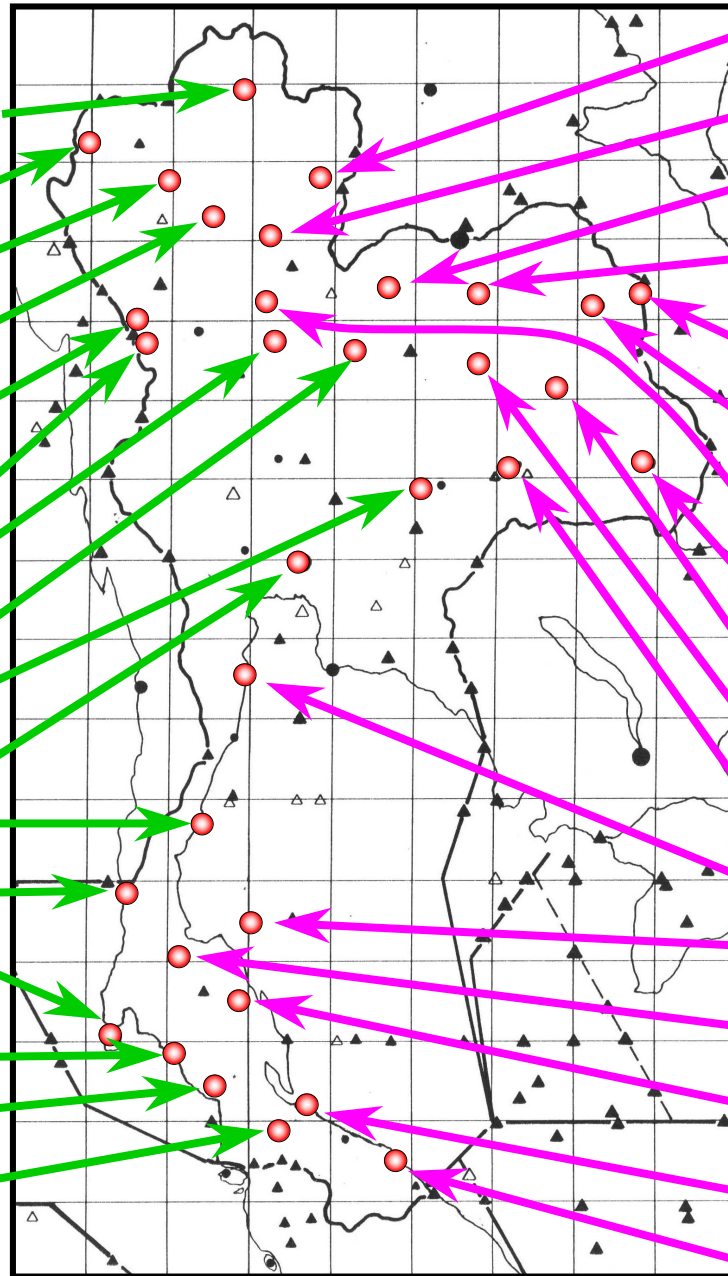
Samui

Surat Thani

Nakhon Si Thammarat

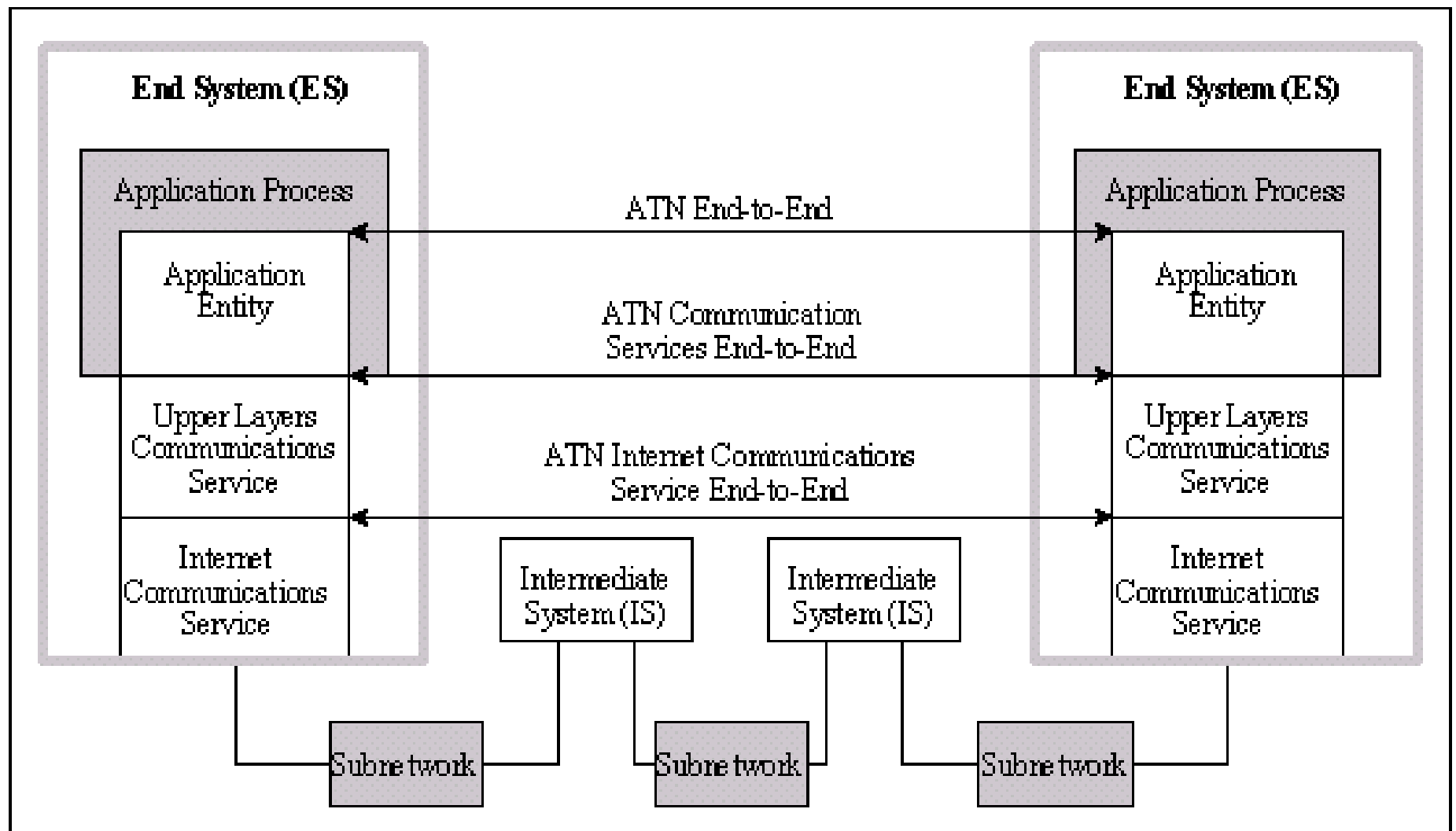
Patani

Narathiwat



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3. ATN Applications

3.1 System Applications

- Context Management (CM) application
- ATN Directory Services

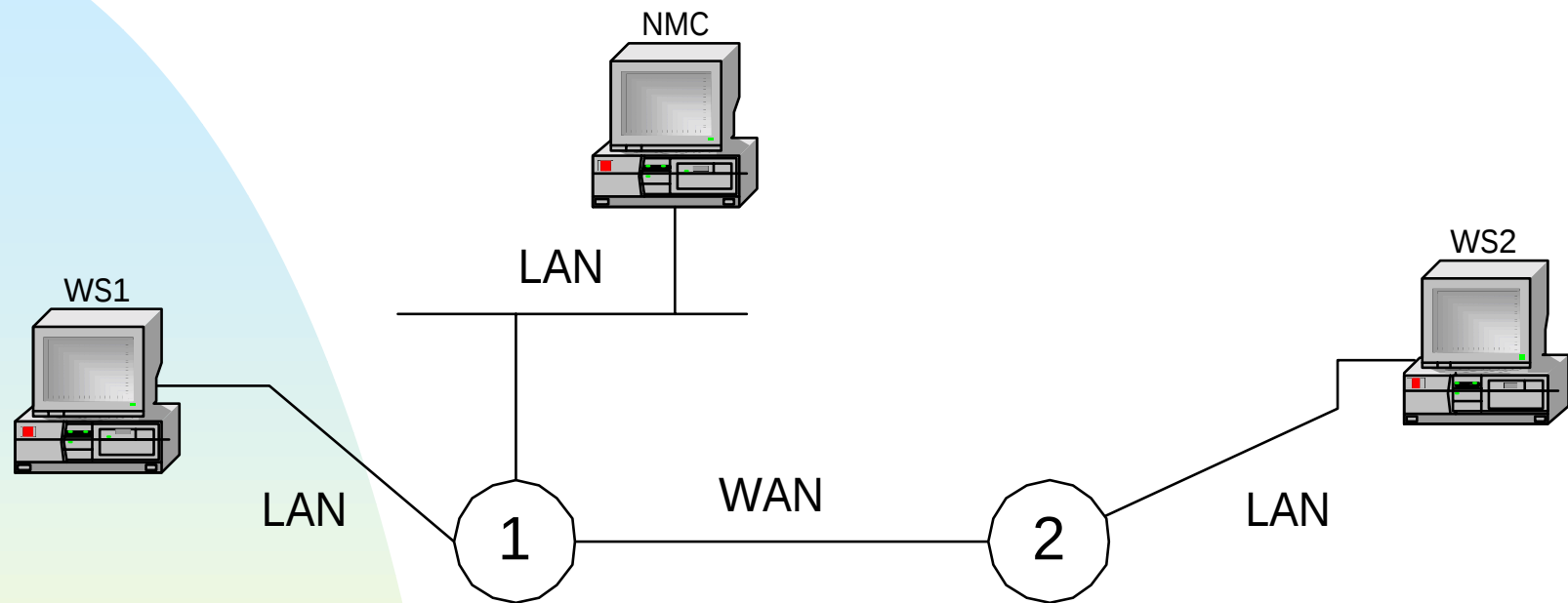
3.2 Air-ground Applications

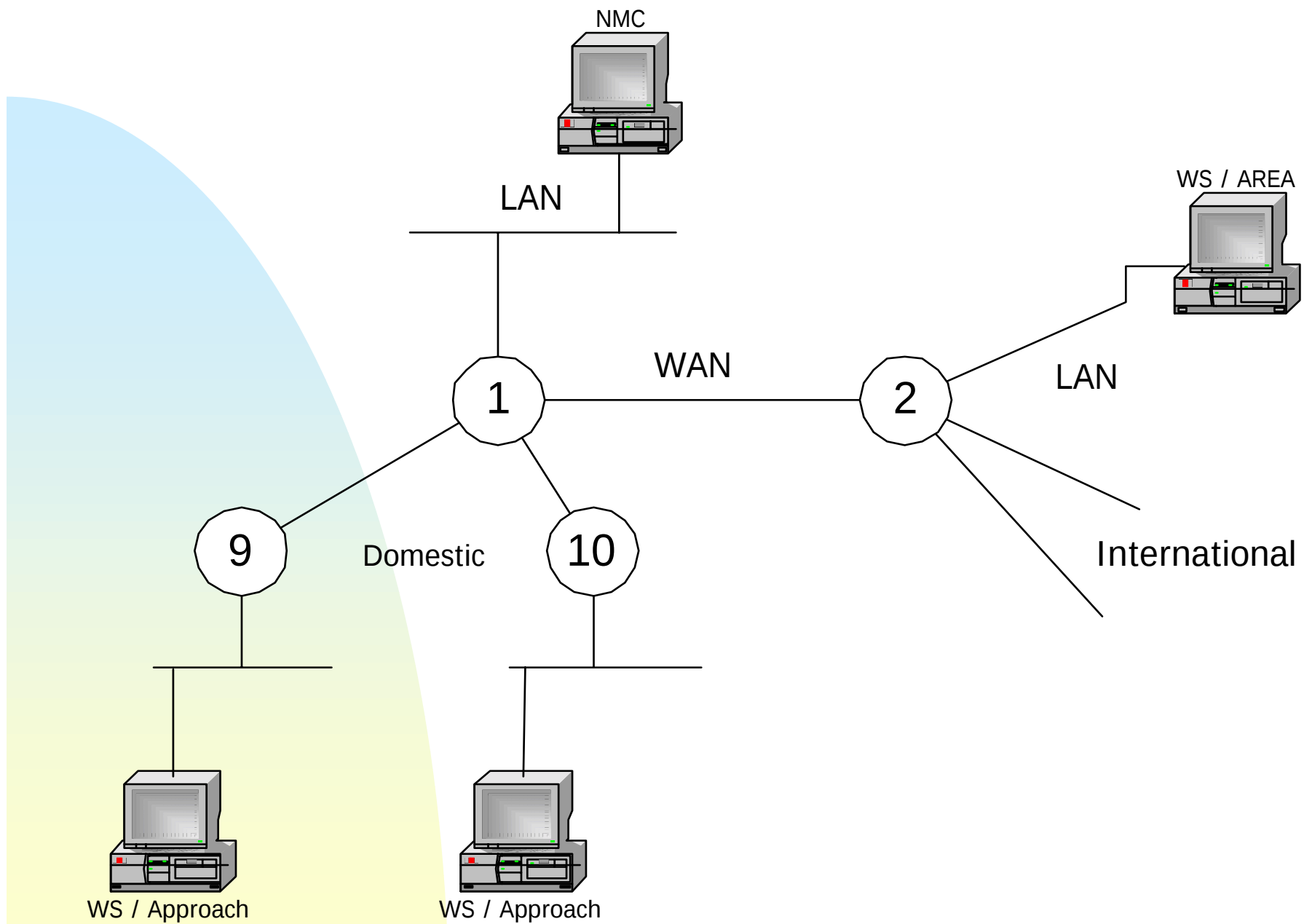
- Controller Pilot Data Link Communication (CPDLC) application
- Automatic Dependent Surveillance (ADS) application
- Flight Information Service (FIS) applications

3.3 Ground-ground Applications

- Inter-Center Communication (ICC) applications
- ATS Message Handling Service (ATSMHS) application

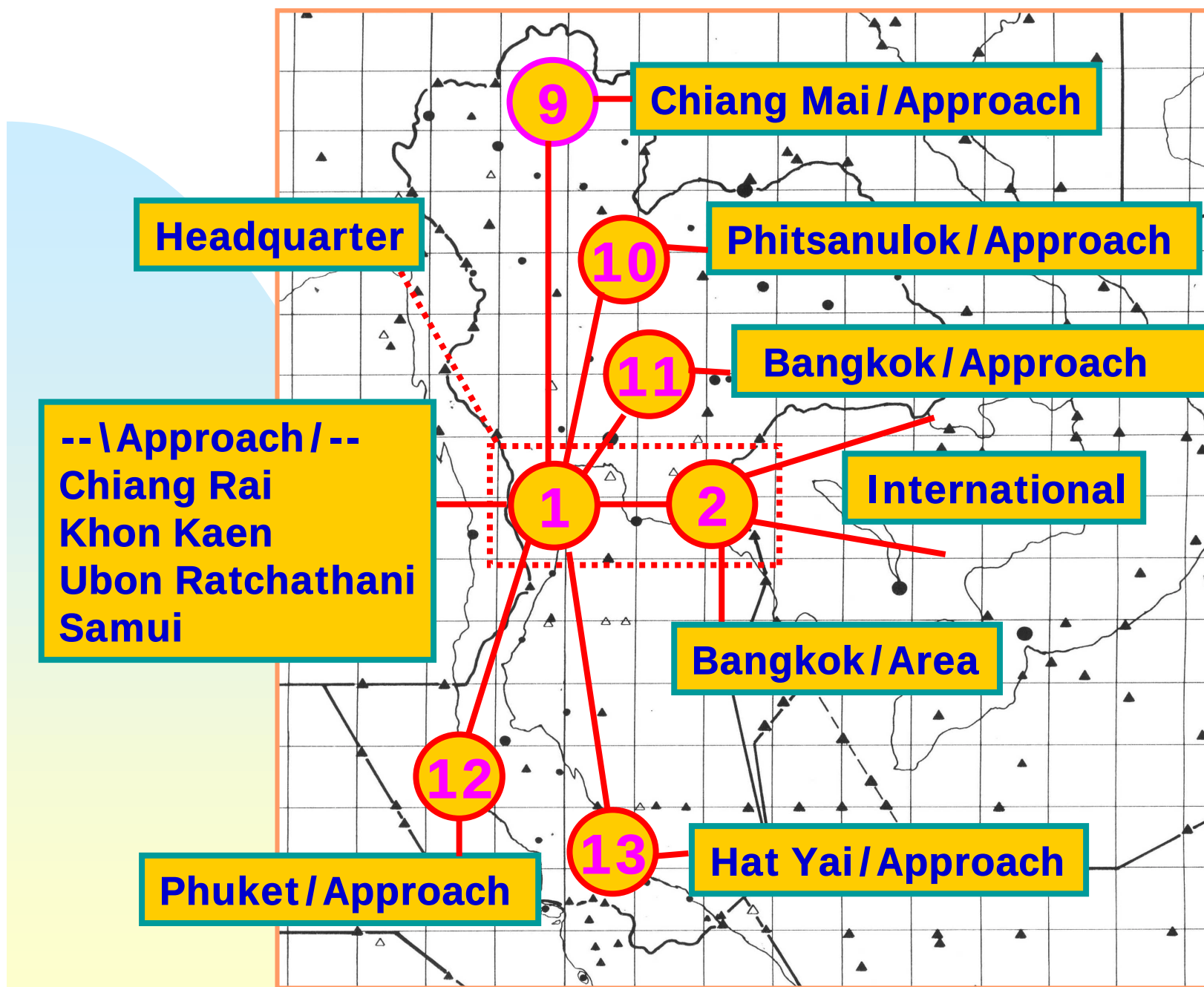
4. ATN Implementation Activities

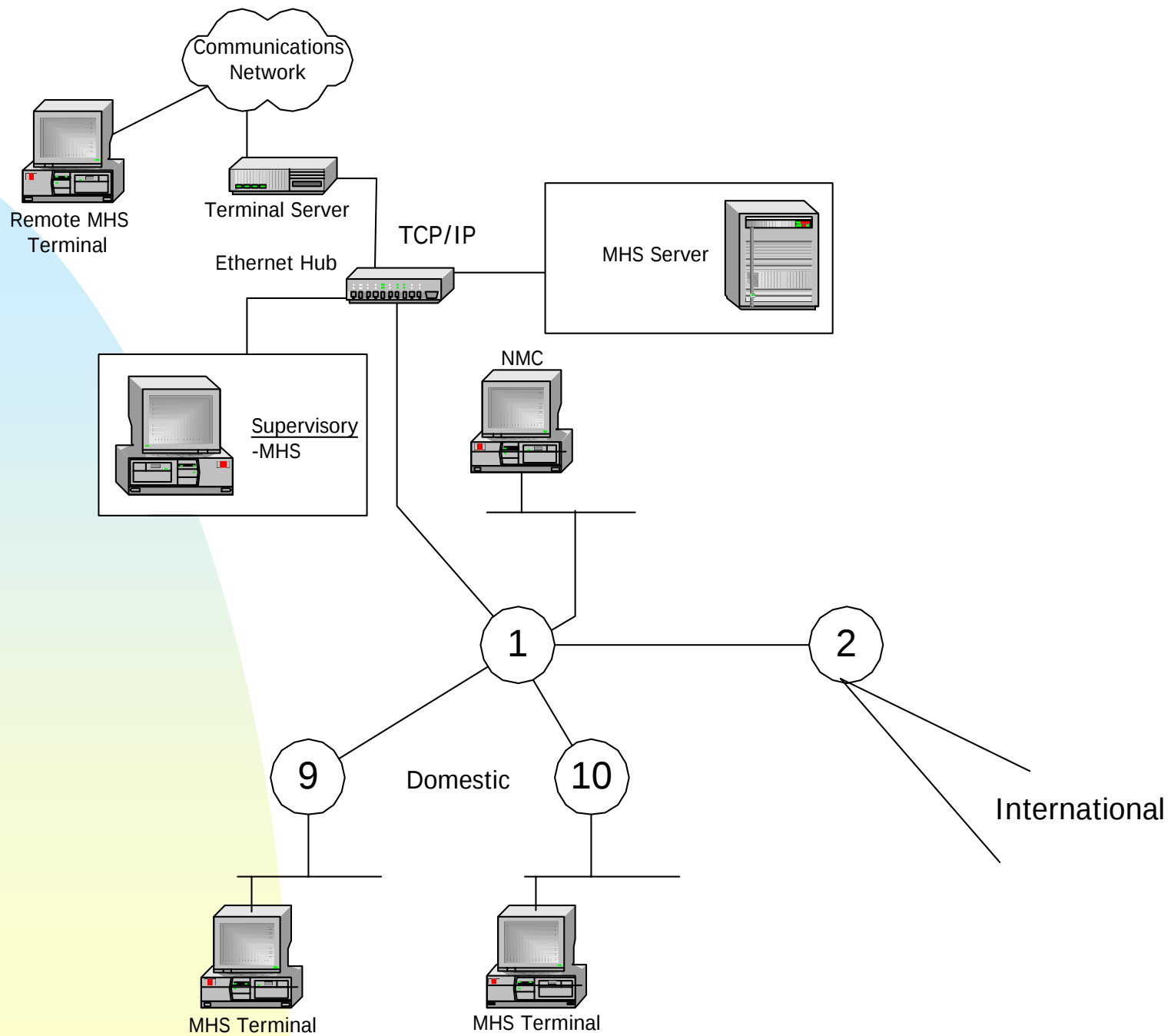




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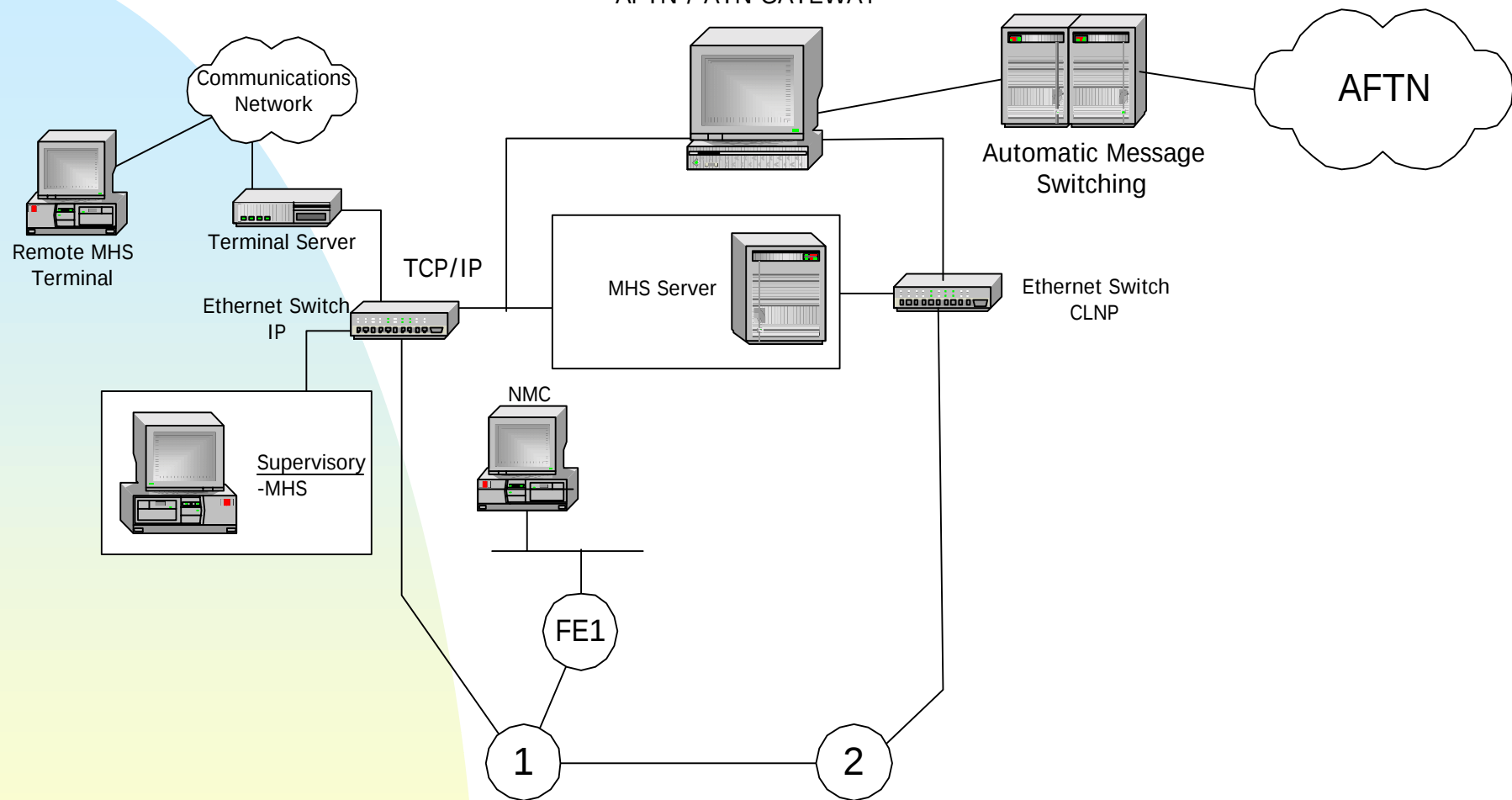


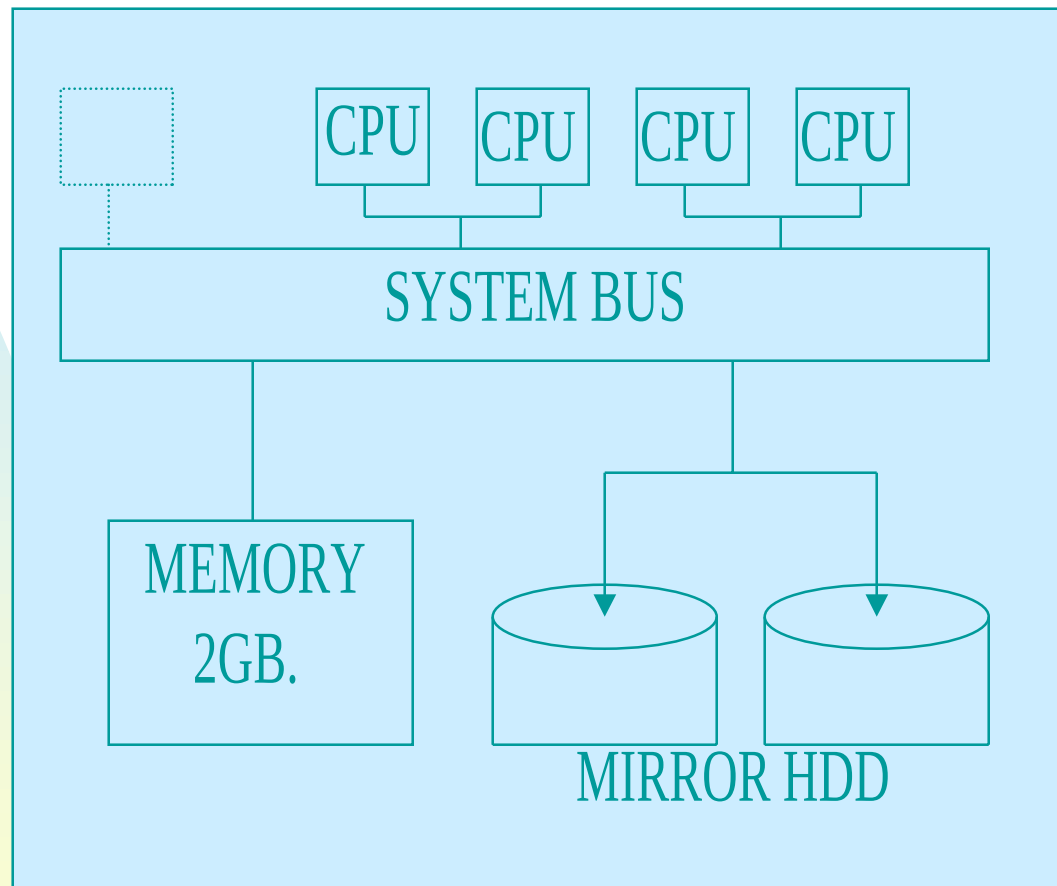


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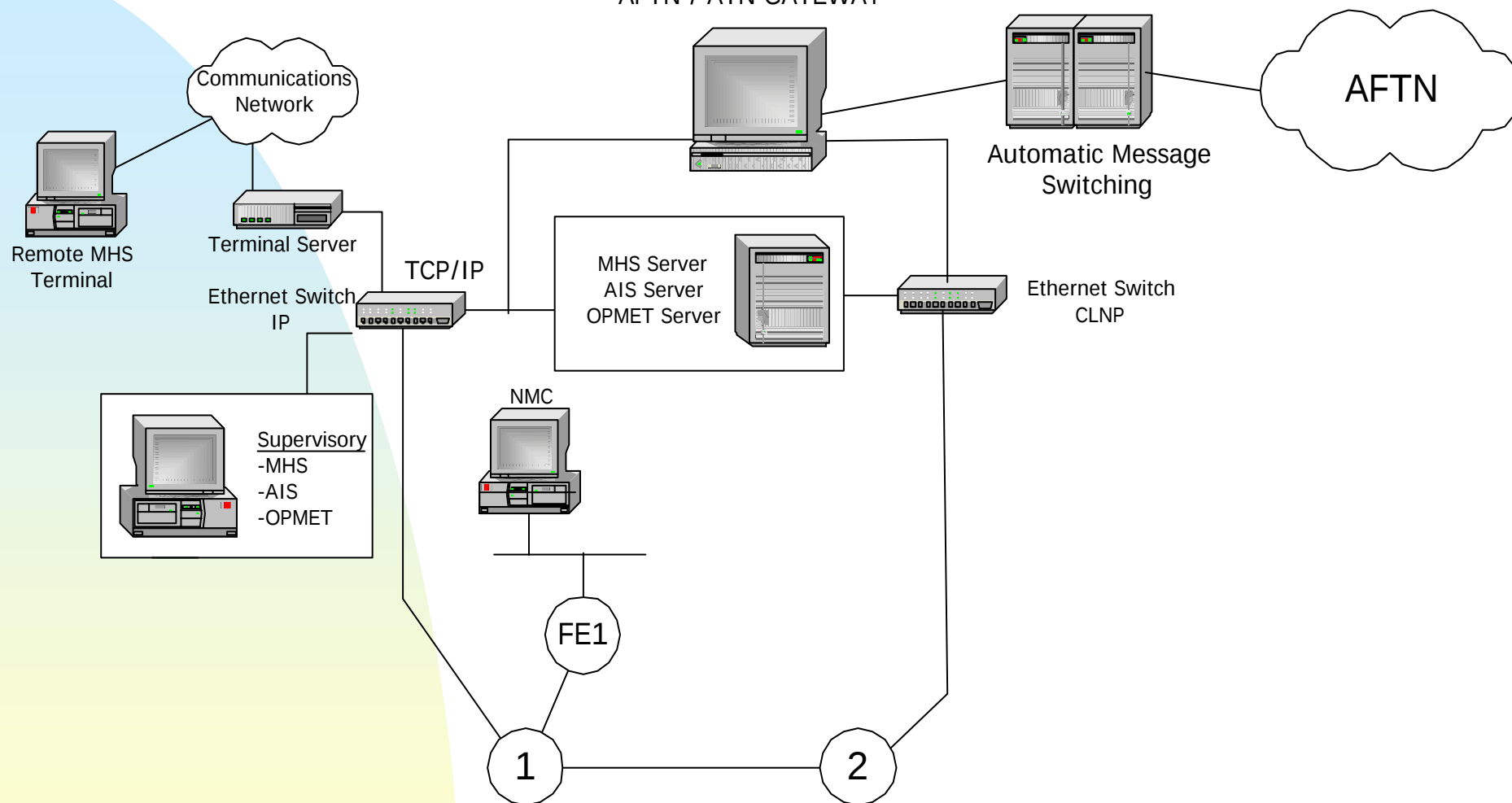
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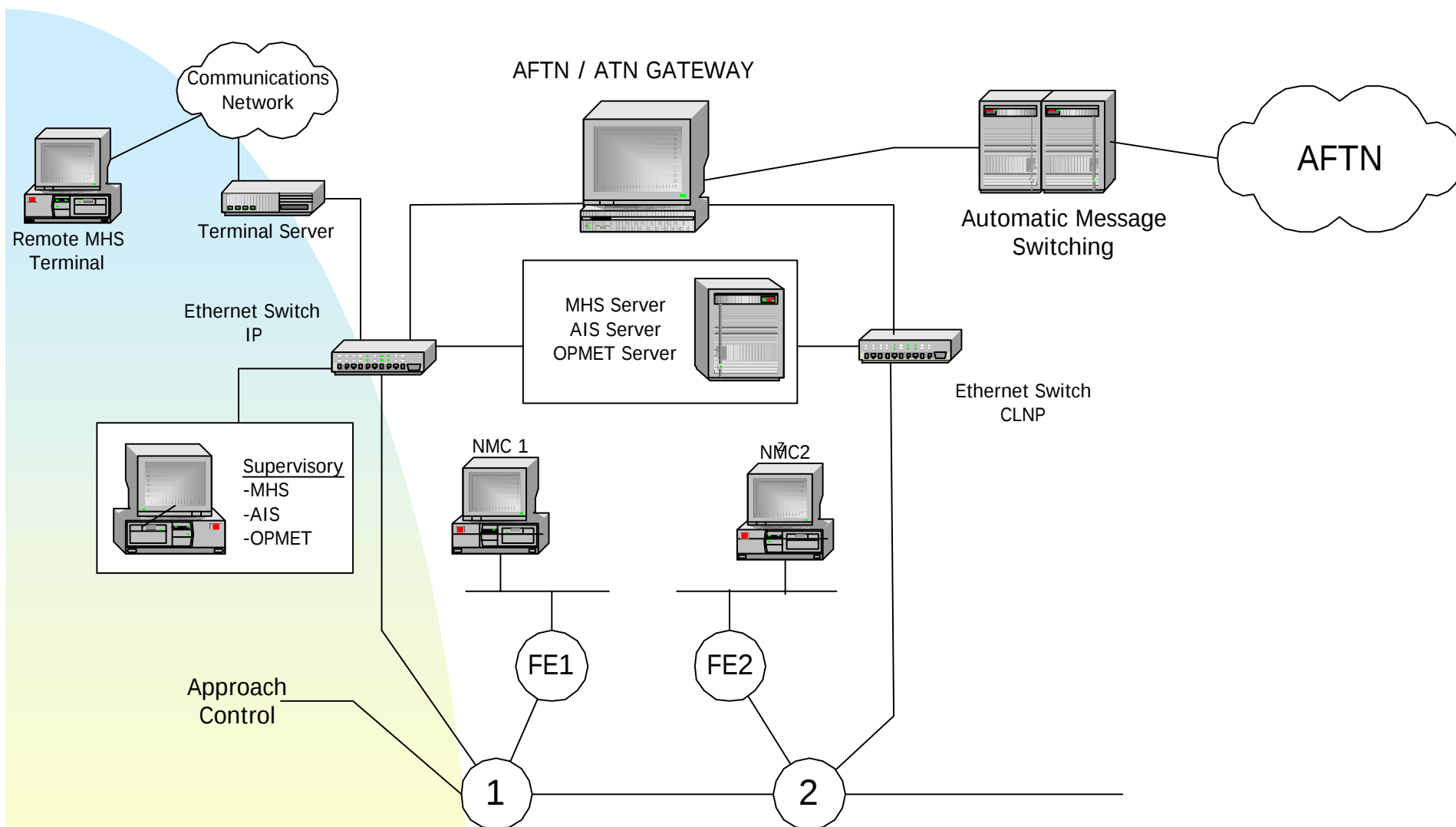
AFTN / ATN GATEWAY



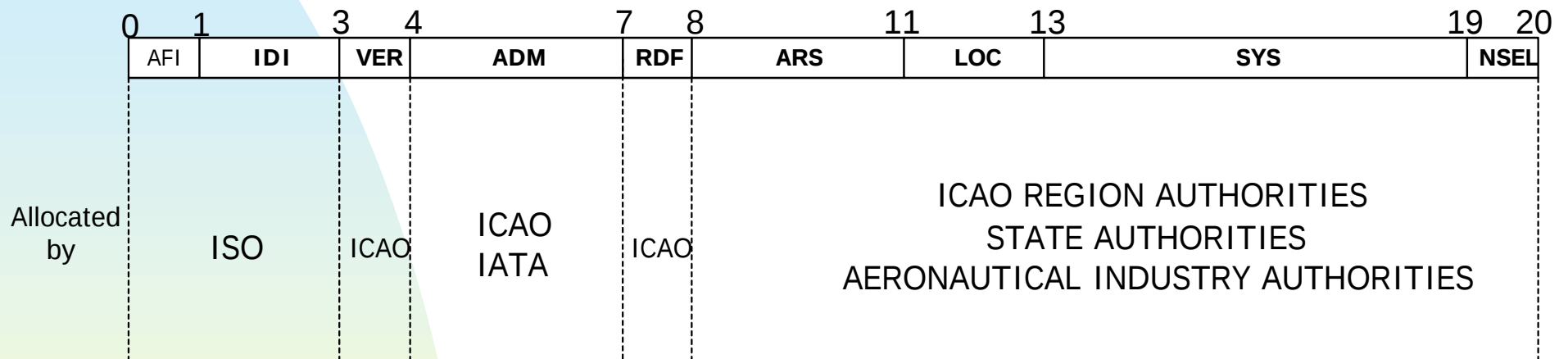


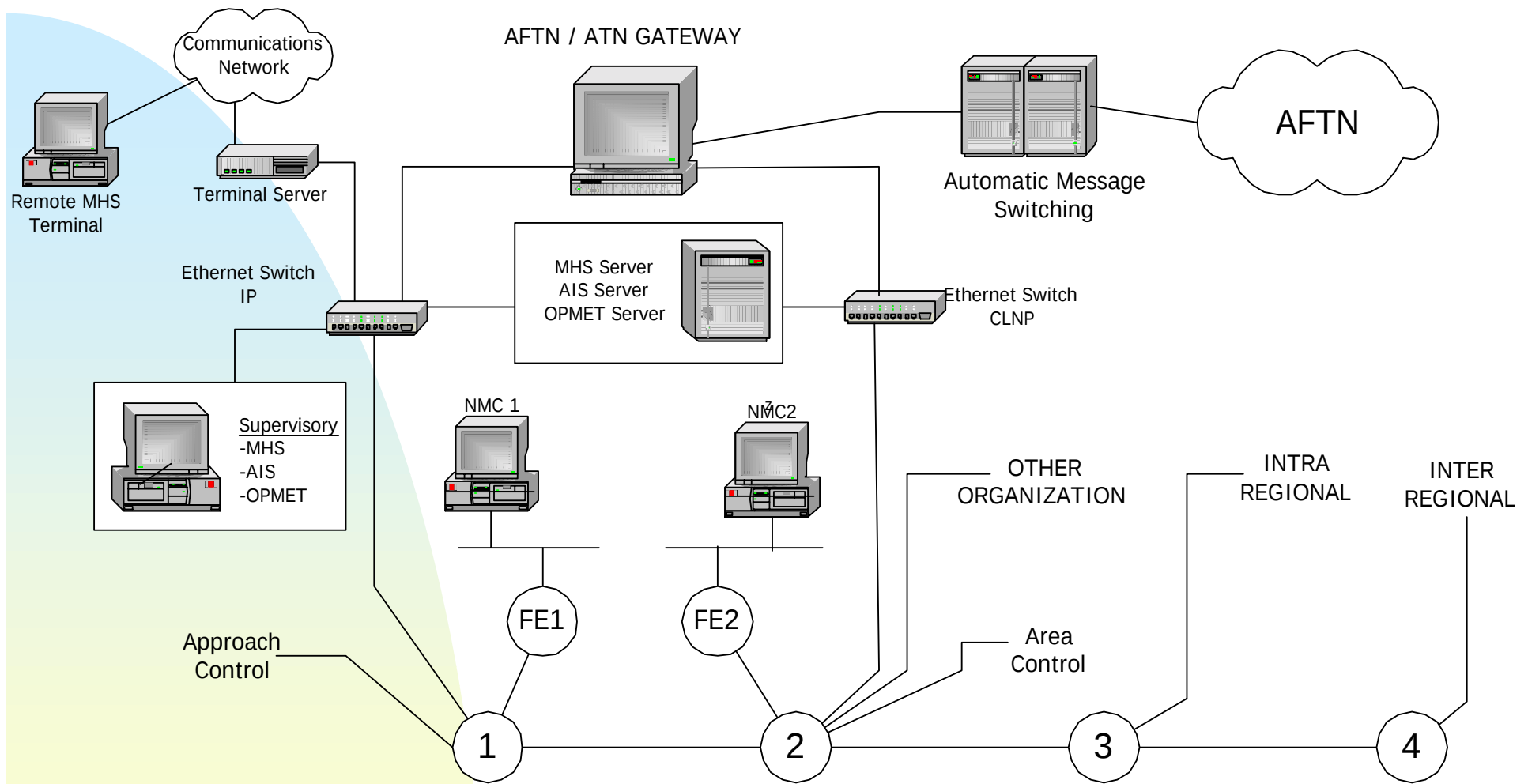
AFTN / ATN GATEWAY

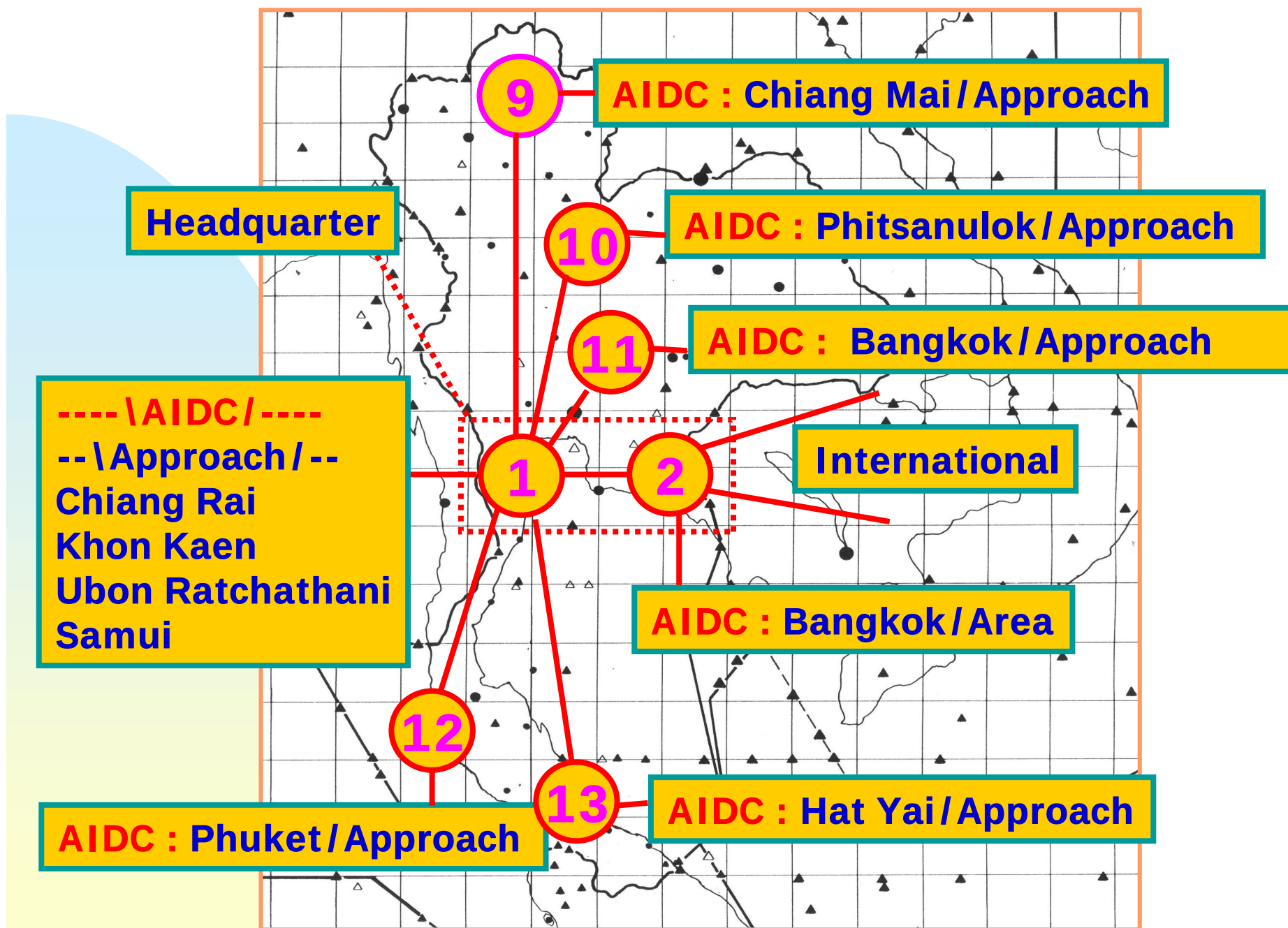


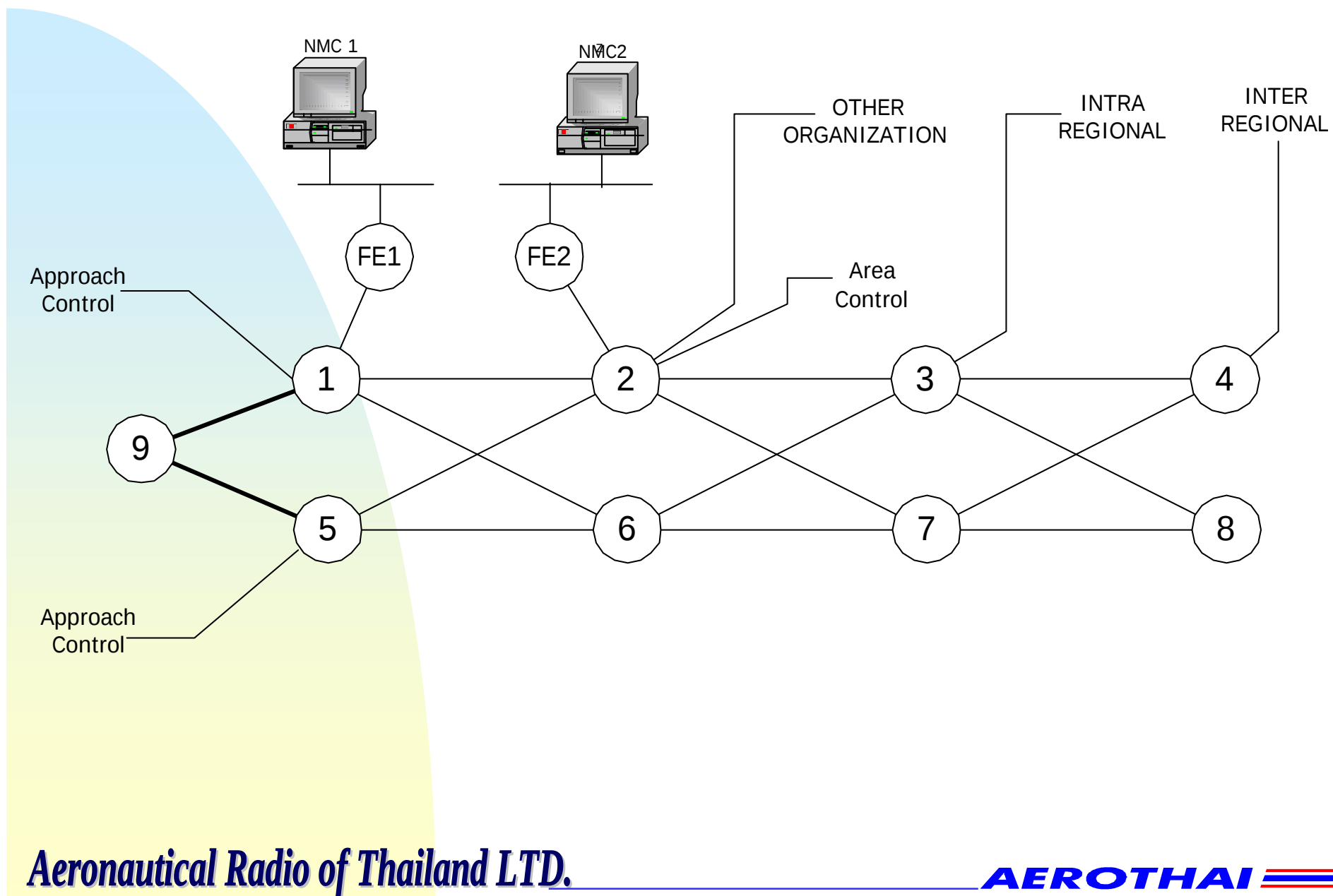


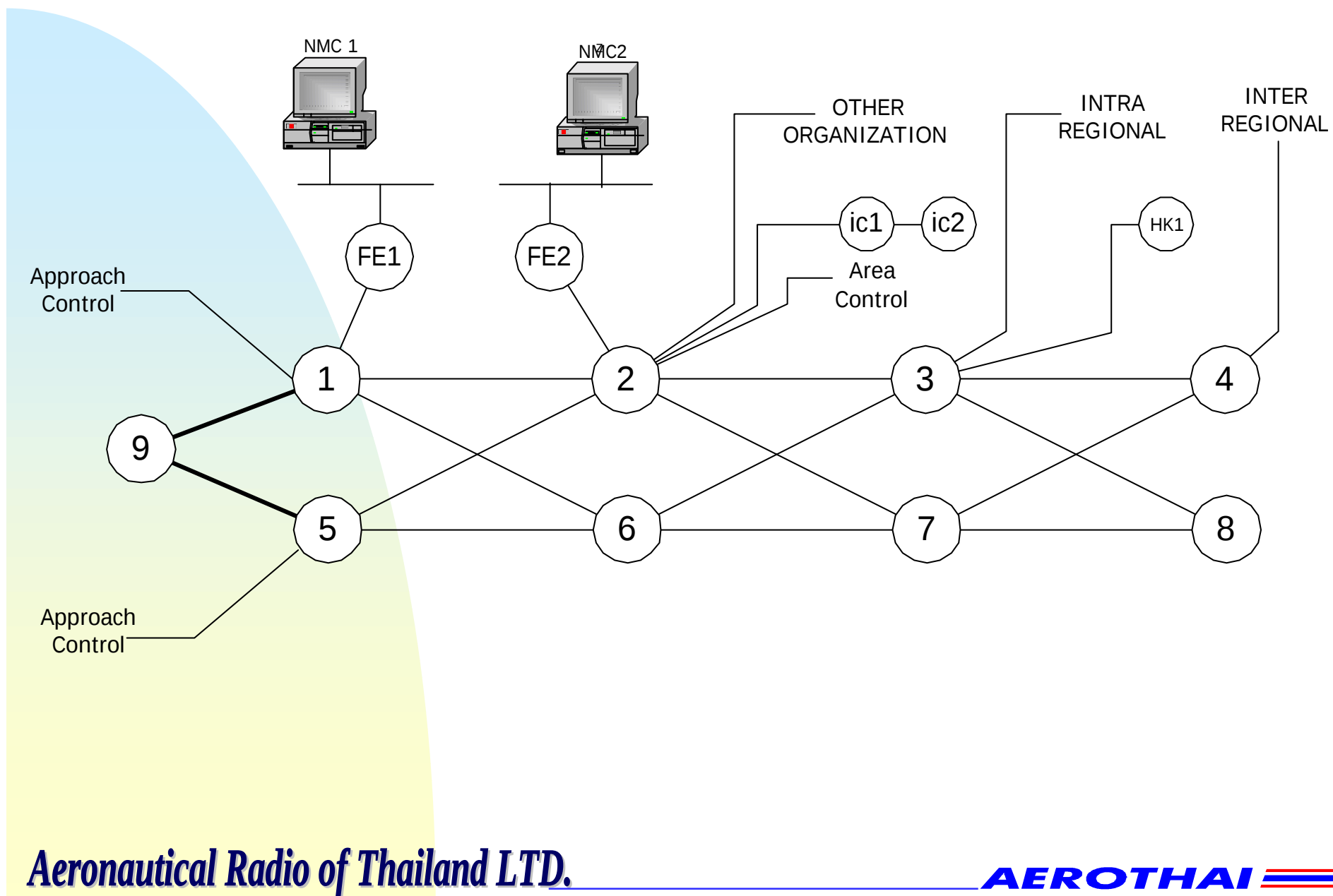
NSAP (Network Service Access Point) address

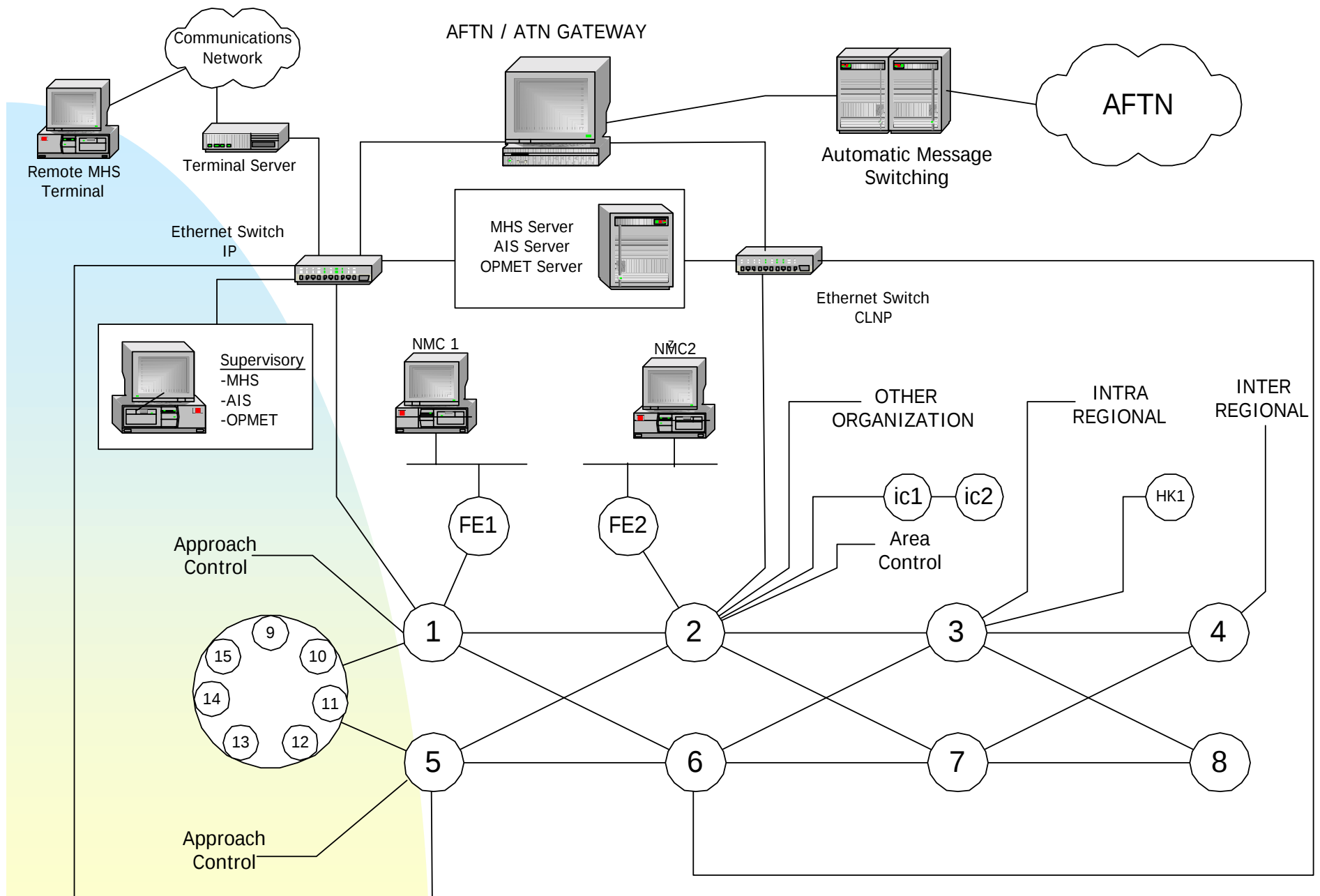








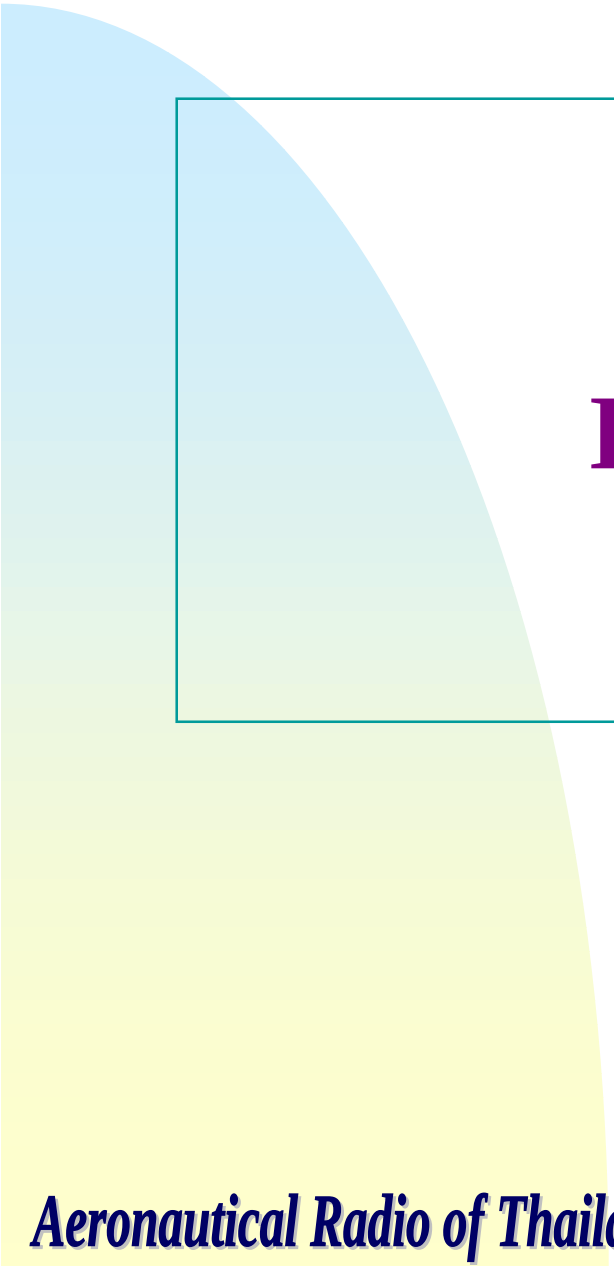






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End Presentation