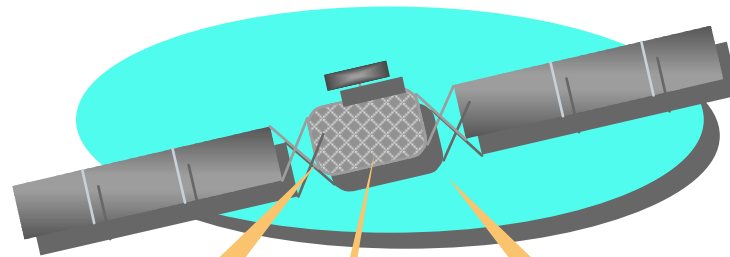


THE INTEGRATED BROADCAST SERVICE (IBS)

**Wilbur Hoelscher
HQ AIA
(210)-977-2925**

PURPOSE:

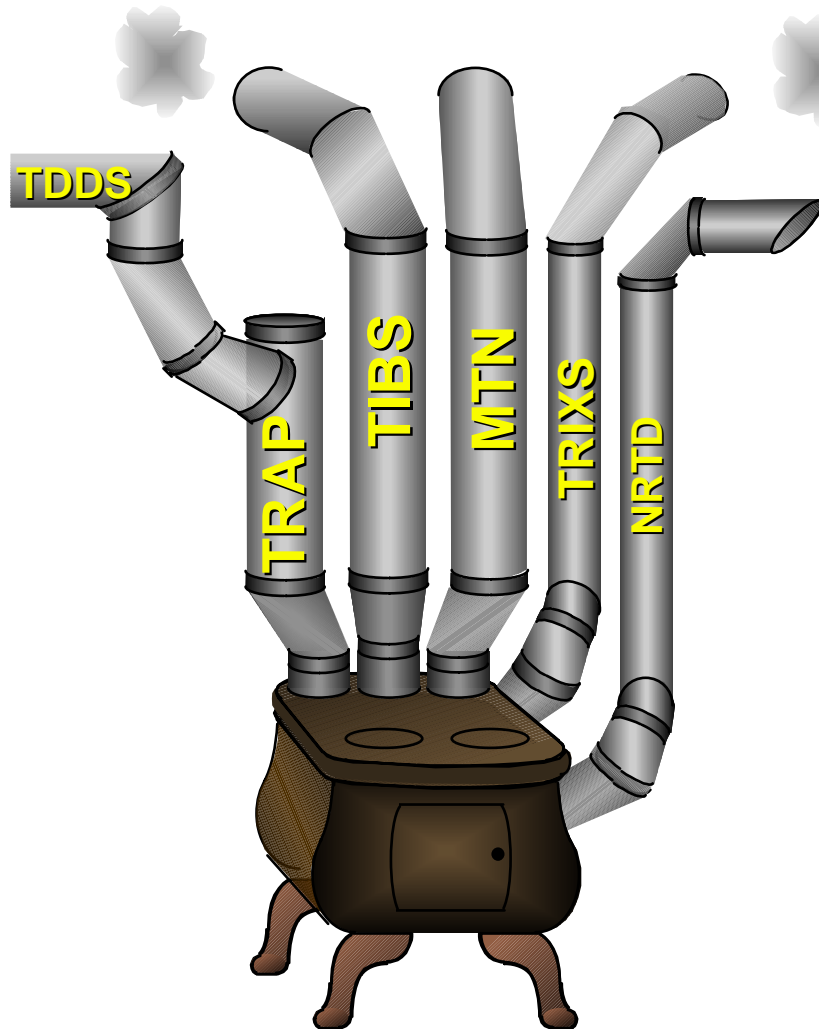
Integrates multiple intelligence broadcasts into a system of systems, and migrates tactical receive terminals into a single, related Joint Tactical Terminal (JTT) family.



GOAL:

The goal of an Integrated Broadcast Service (IBS) is to resolve the uncoordinated proliferation of “stovepiped” intelligence/information broadcasts by providing the tactical commander with integrated time-sensitive tactical information.

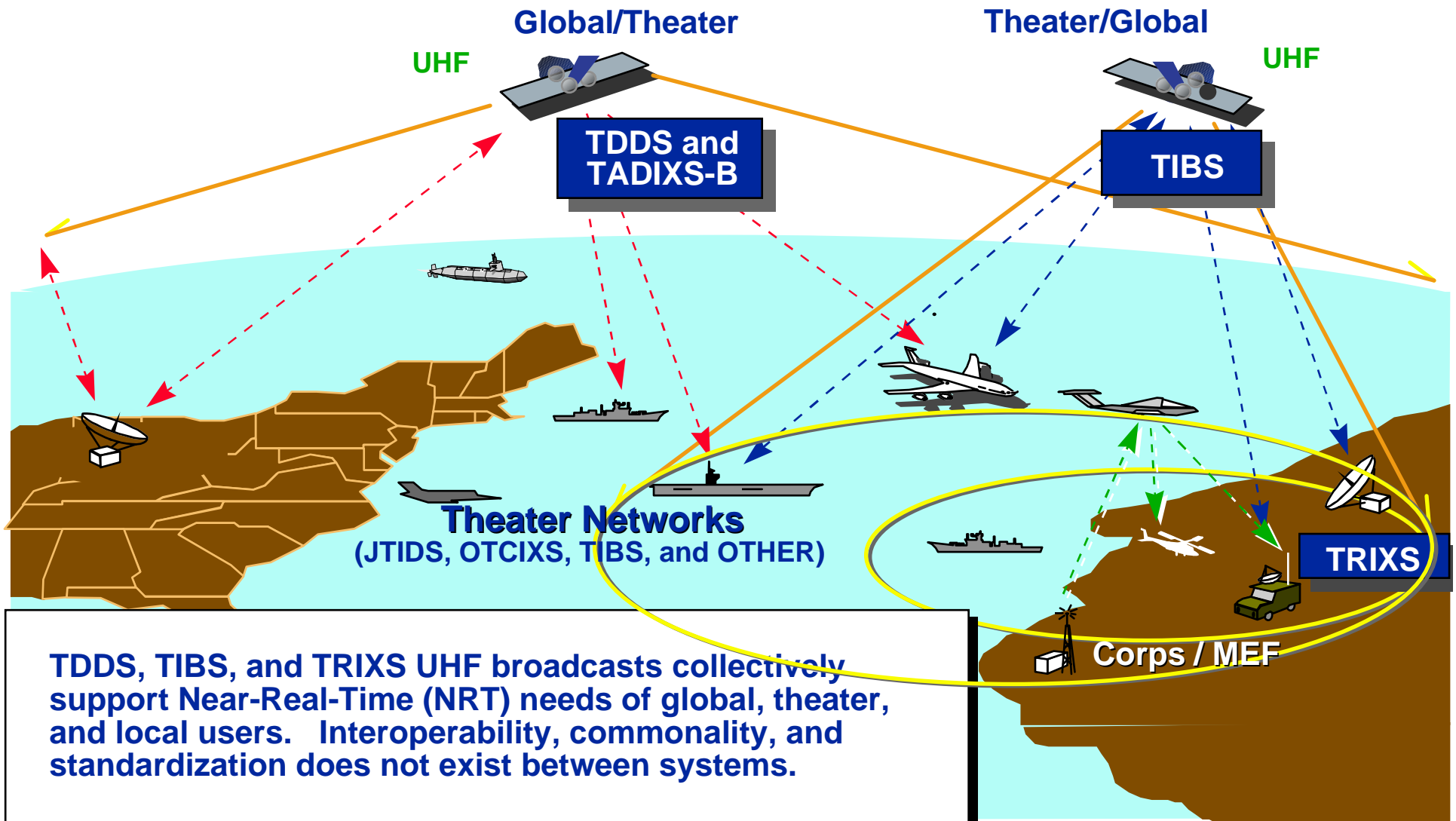
CURRENT BROADCAST ARCHITECTURES



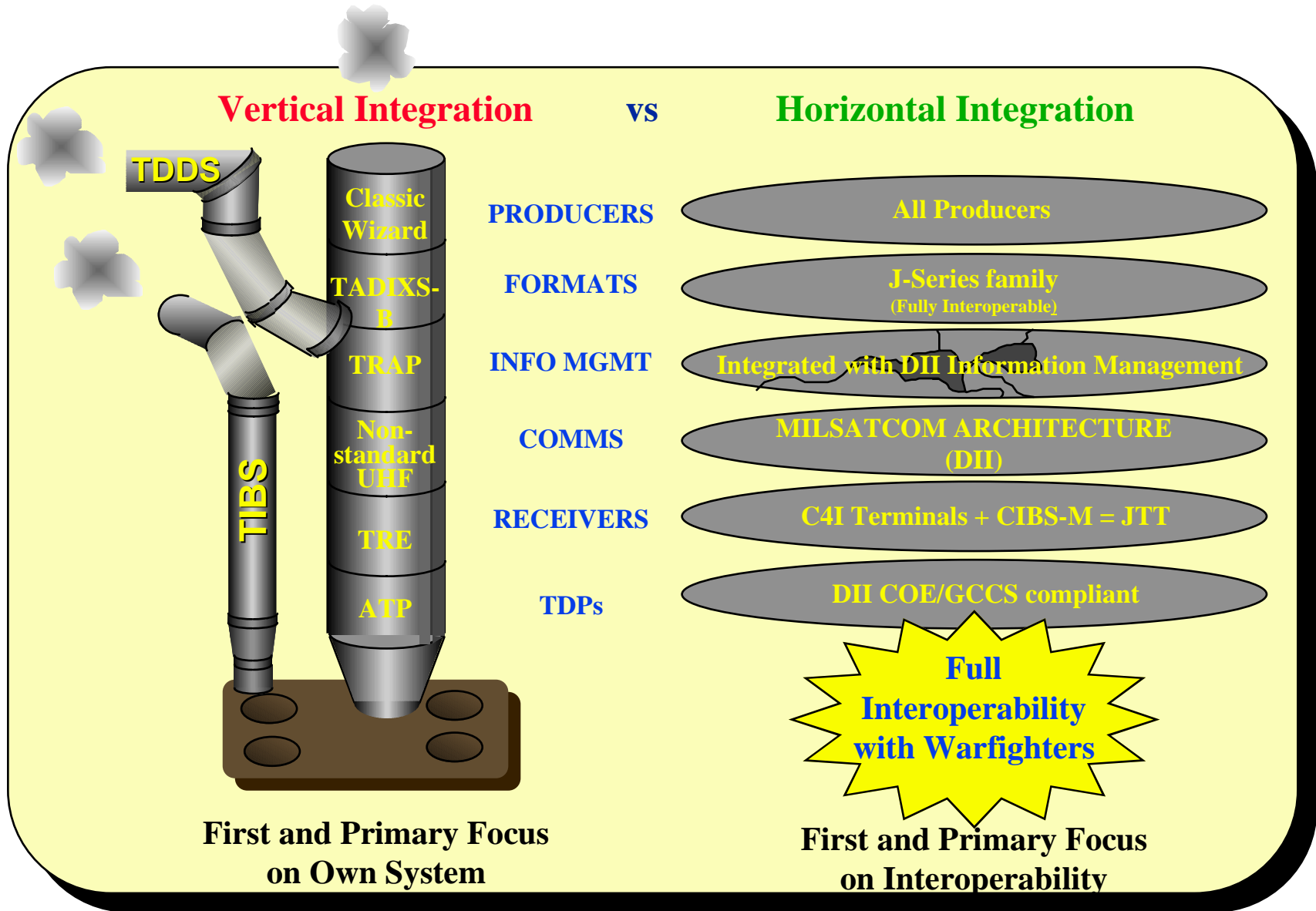
CURRENT BROADCAST ARCHITECTURES ARE CHARACTERIZED BY:

- Separate links and data formats
- No single integrated broadcast architecture
- Early saturation of bandwidth and lack of flexibility in assigning circuits
- Separate Service management of the various space and terminal segments

SOME CURRENT INTELLIGENCE BROADCASTS

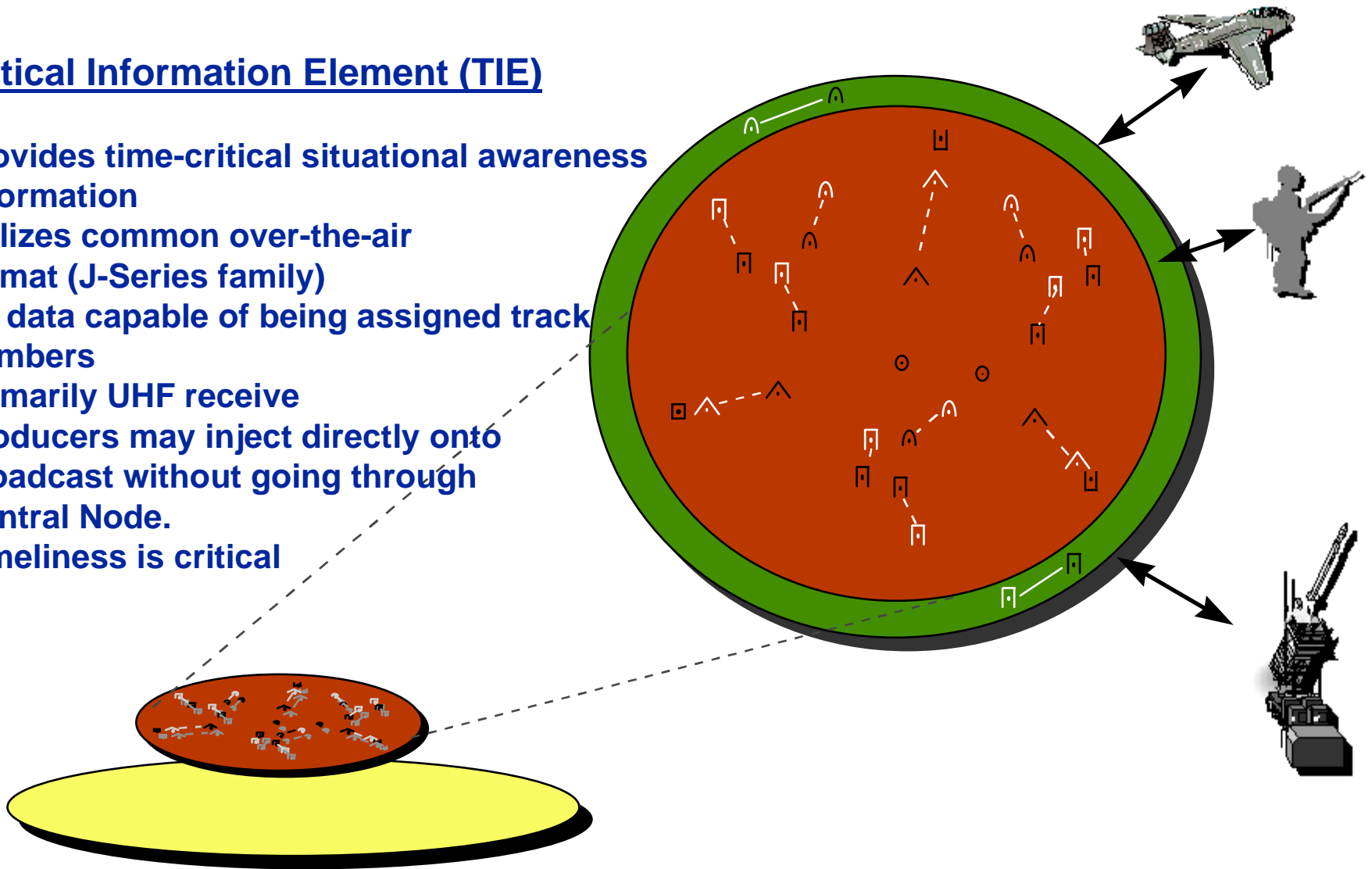


- **Theater-Based and Global Dissemination**
- **Common over-the-air Format**
 - **Data Element Dictionary common with J-Series Family of TDLS**
 - **Gateway'd interoperability**
 - **Common track number assignments**
- **Minimizes UHF traffic through integrated use of multispectral comm pathways available to most users**
 - **Services users with High B/W Comms through GBS, EHF Satcom, SIPRNET, JWICS, etc and netted services**
 - **Reserves UHF Satcom for “disadvantaged” users**
- **Standardized terminals**
 - **Common IBS Modules / JTT**
 - **GCCS-compliant Tactical Data Processors**



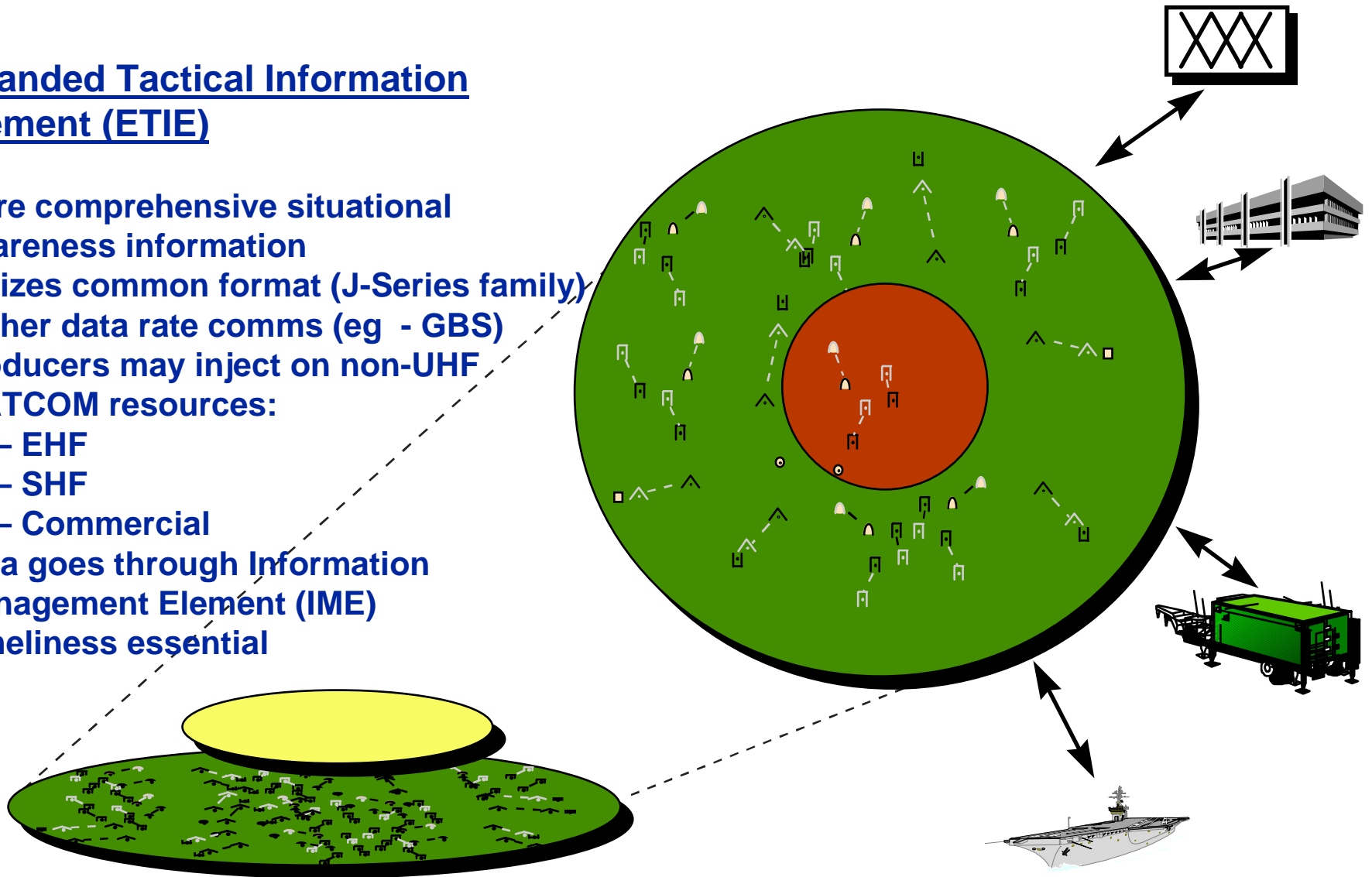
Tactical Information Element (TIE)

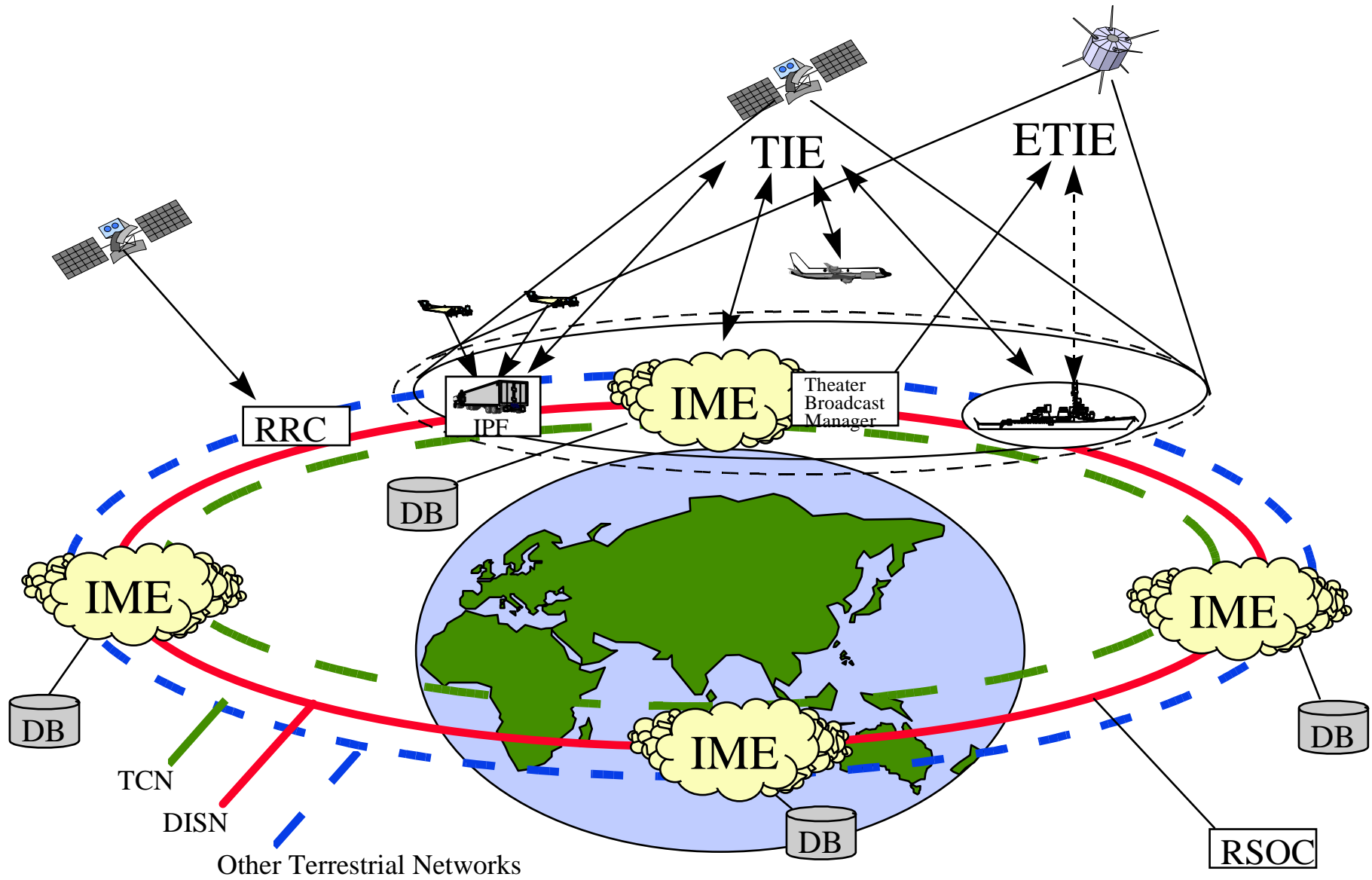
- Provides time-critical situational awareness information
- Utilizes common over-the-air format (J-Series family)
- All data capable of being assigned track numbers
- Primarily UHF receive
- Producers may inject directly onto broadcast without going through Central Node.
- Timeliness is critical



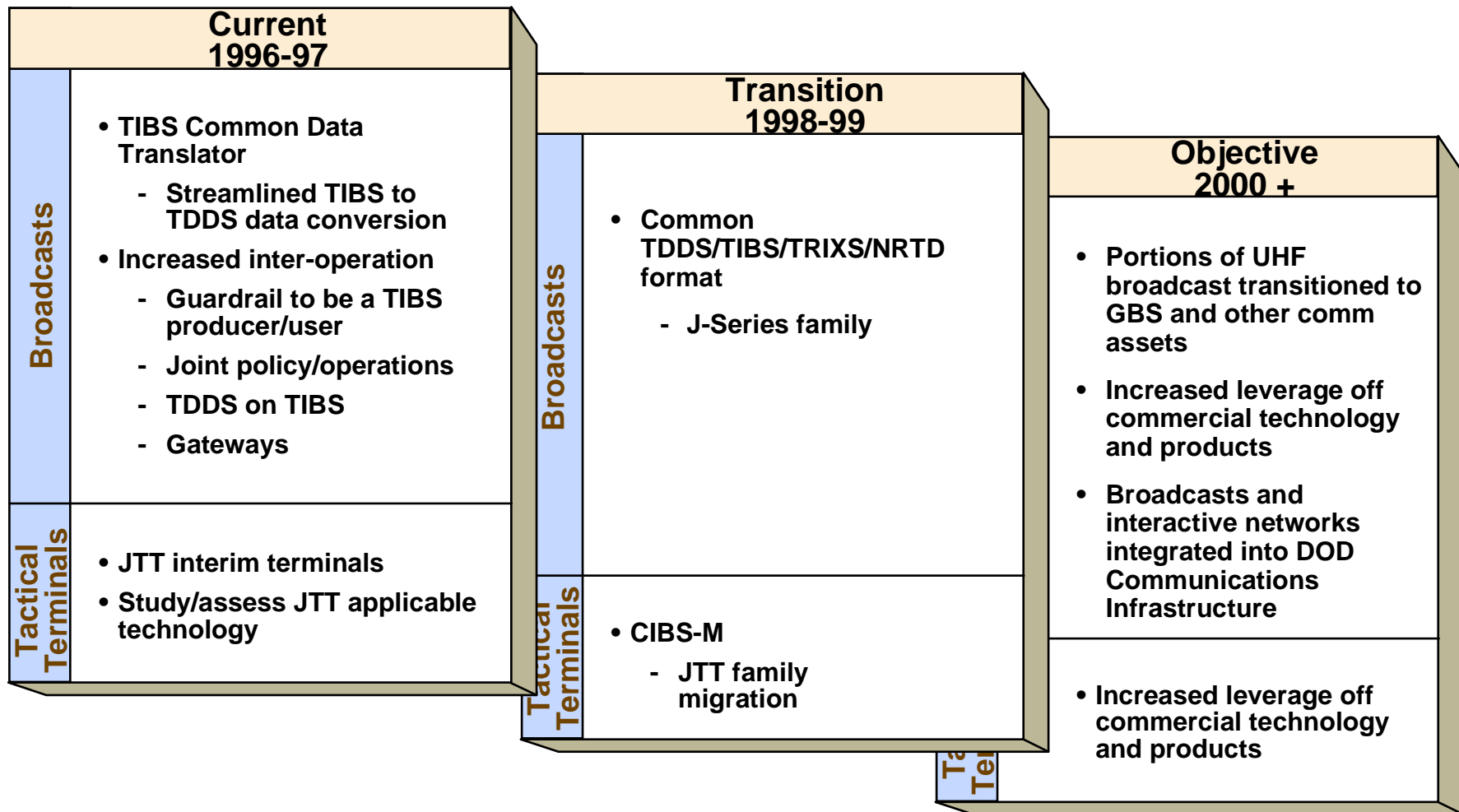
Expanded Tactical Information Element (ETIE)

- More comprehensive situational awareness information
- Utilizes common format (J-Series family)
- Higher data rate comms (eg - GBS)
- Producers may inject on non-UHF SATCOM resources:
 - EHF
 - SHF
 - Commercial
- Data goes through Information Management Element (IME)
- Timeliness essential

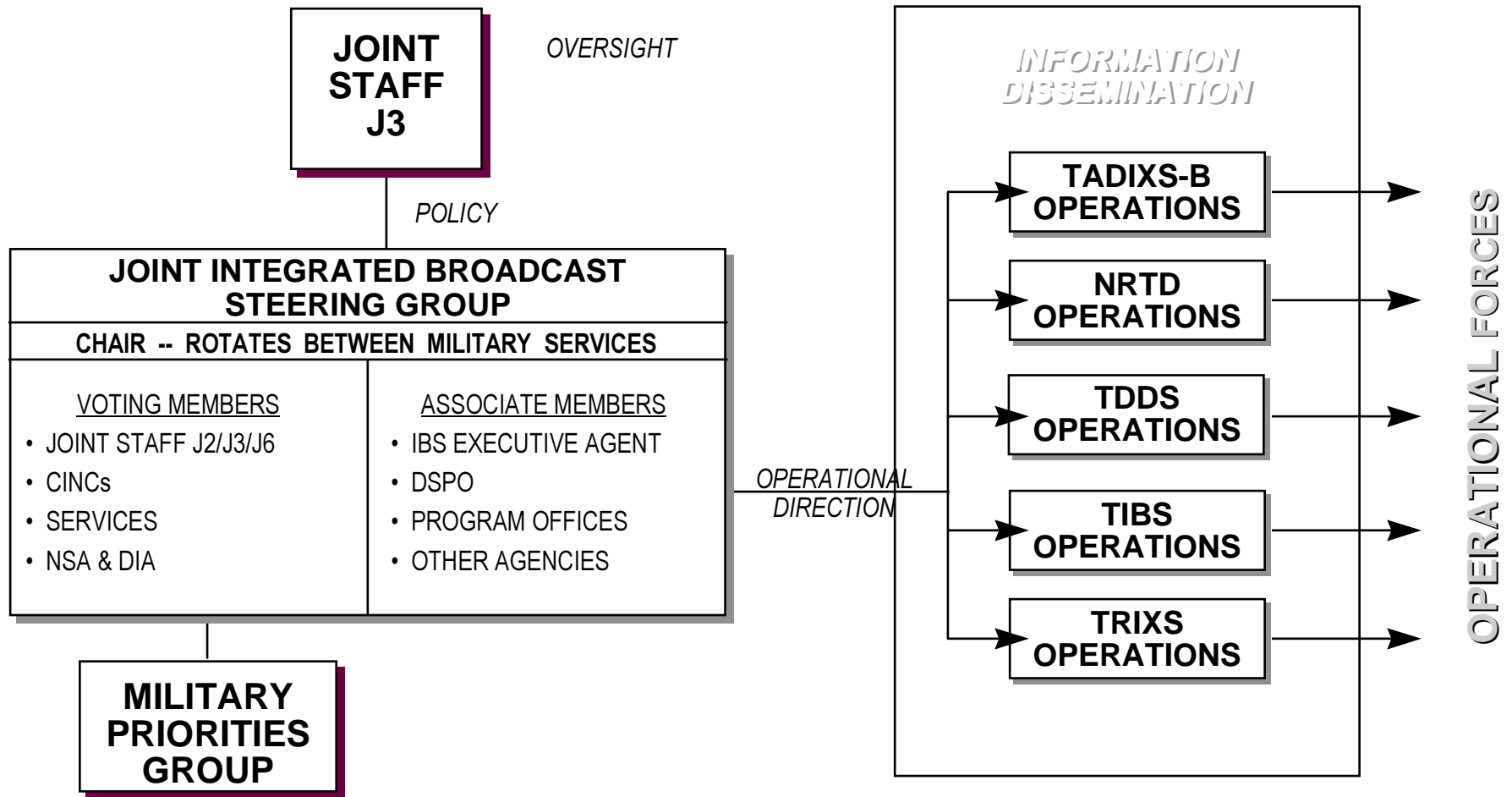




MILESTONES



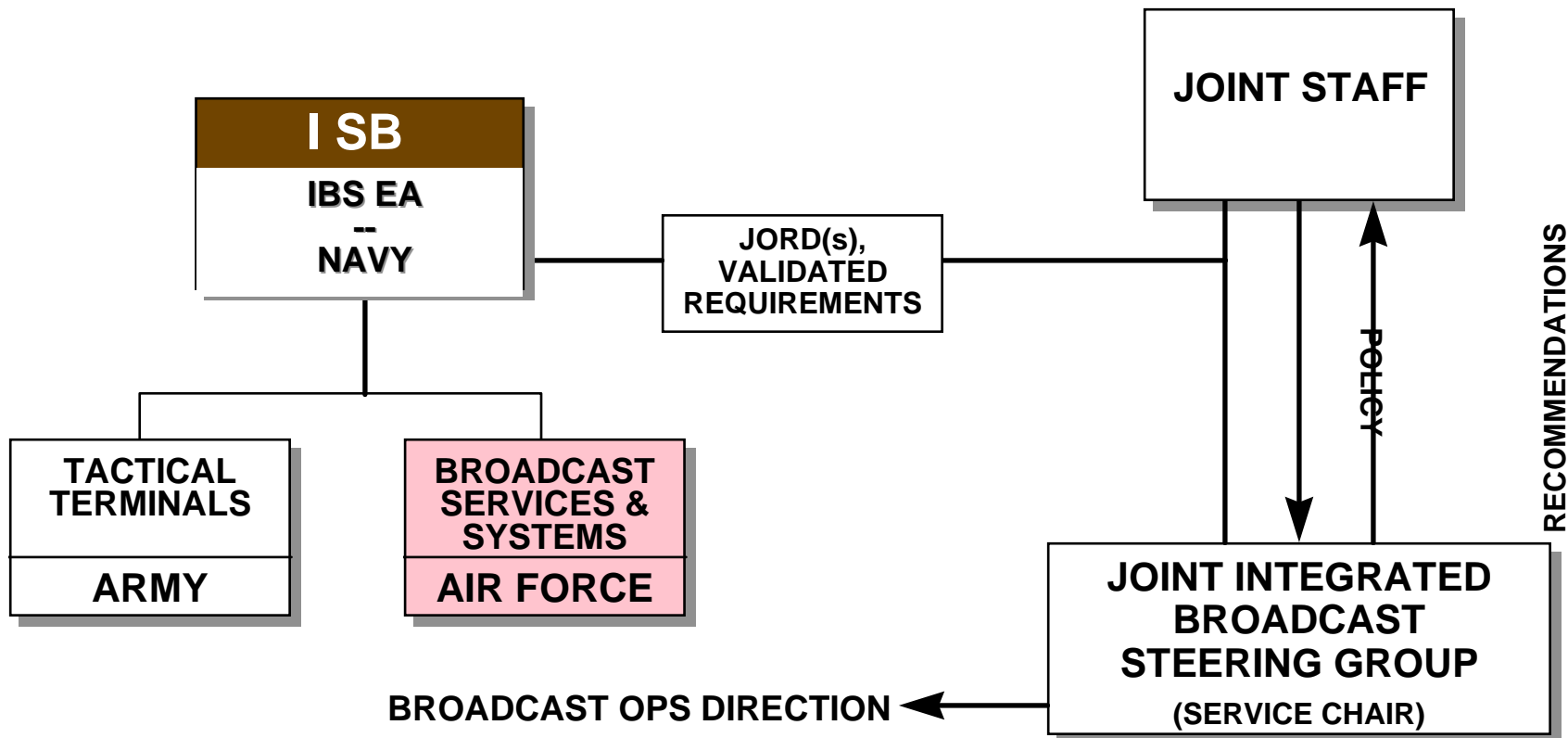
JOINT SERVICE OPERATIONAL MANAGEMENT



IBS MANAGEMENT

INTEGRATION MANAGEMENT

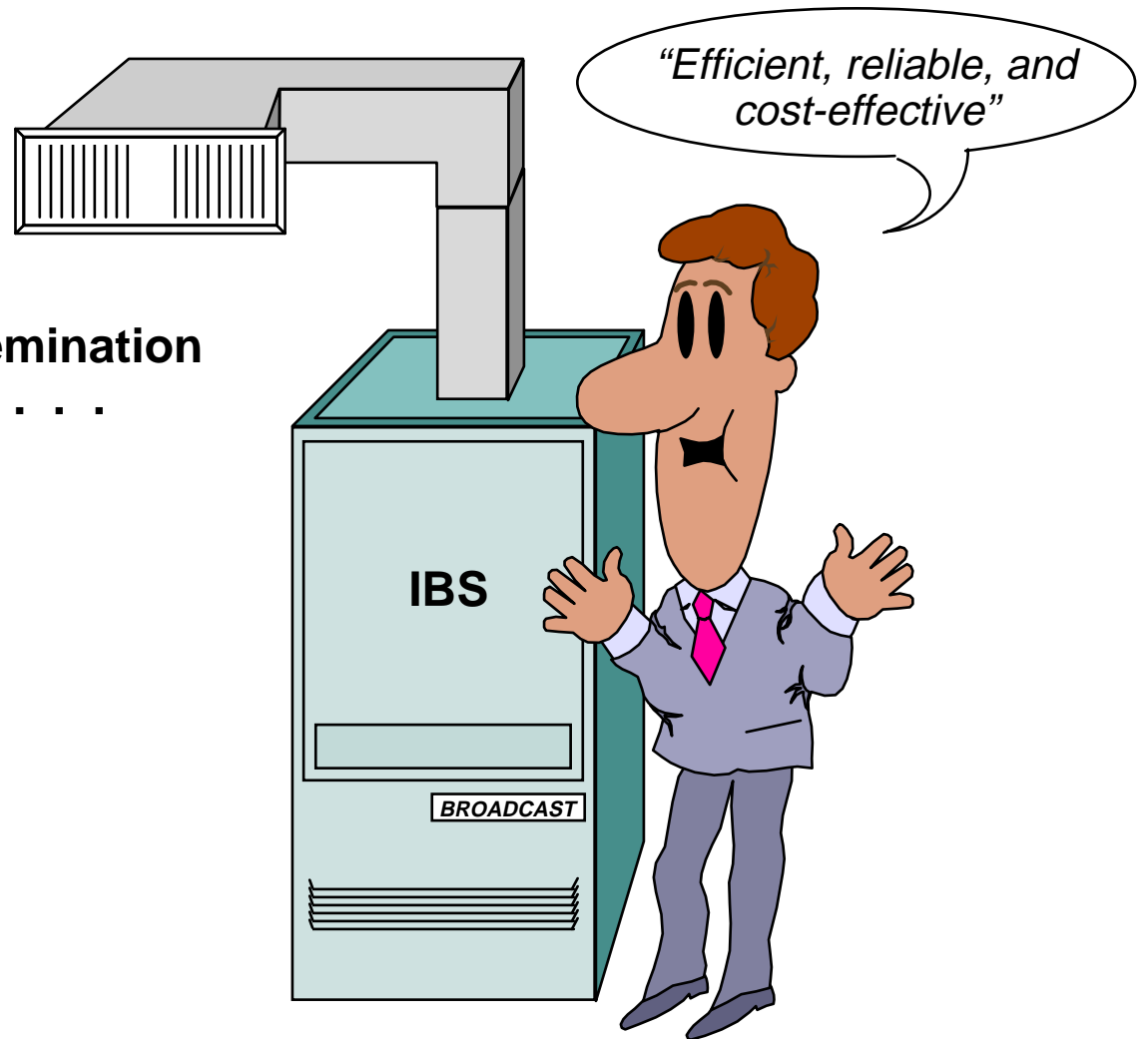
OPERATIONAL MANAGEMENT



THE INTENDED OUTCOME

modernization

An integrated information dissemination system for all Broadcast Users . . .





For Additional Information Contact:

IBS Broadcast Program Management Office
HQ AIA / DOP
San Antonio, Texas 78243-5000

(210) - 977 - 2213 or (210) - 977 - 2877

Attn: Mr. Wayne Noster , or
Mr. John (Ox) Stefan