



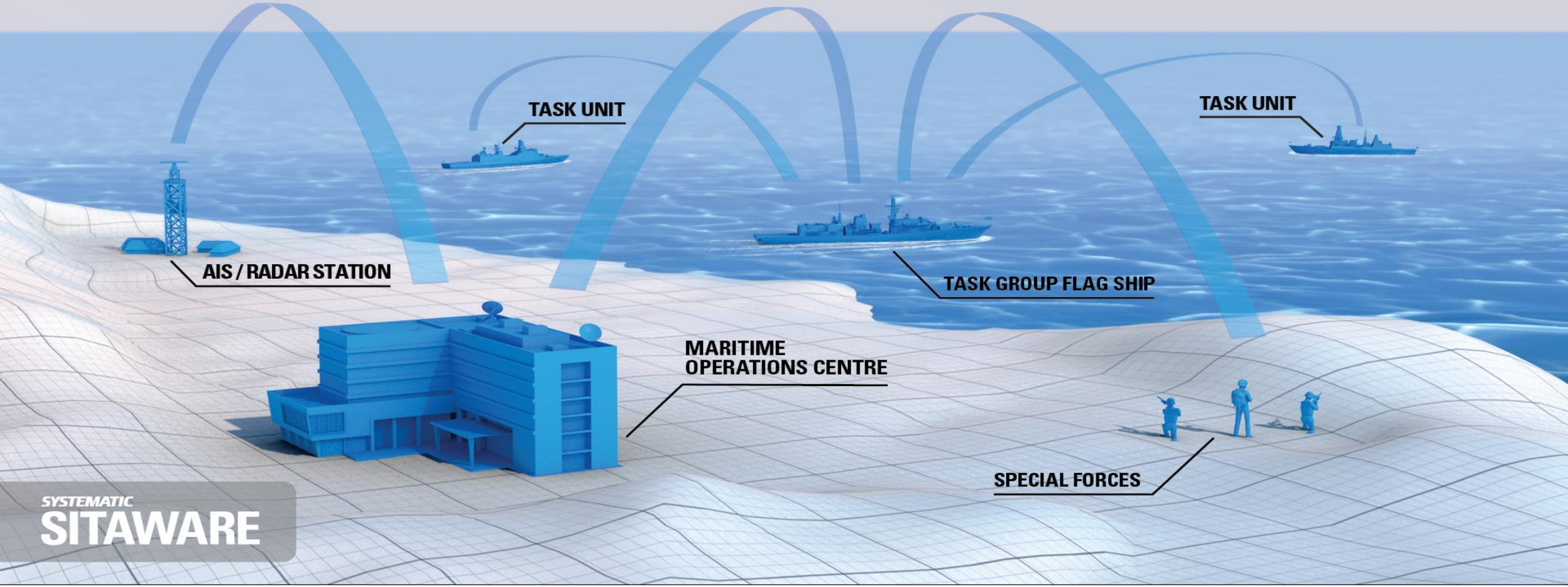
# Developing Message Text Format as a capability

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What are MTF's and do they still serve a purpose?

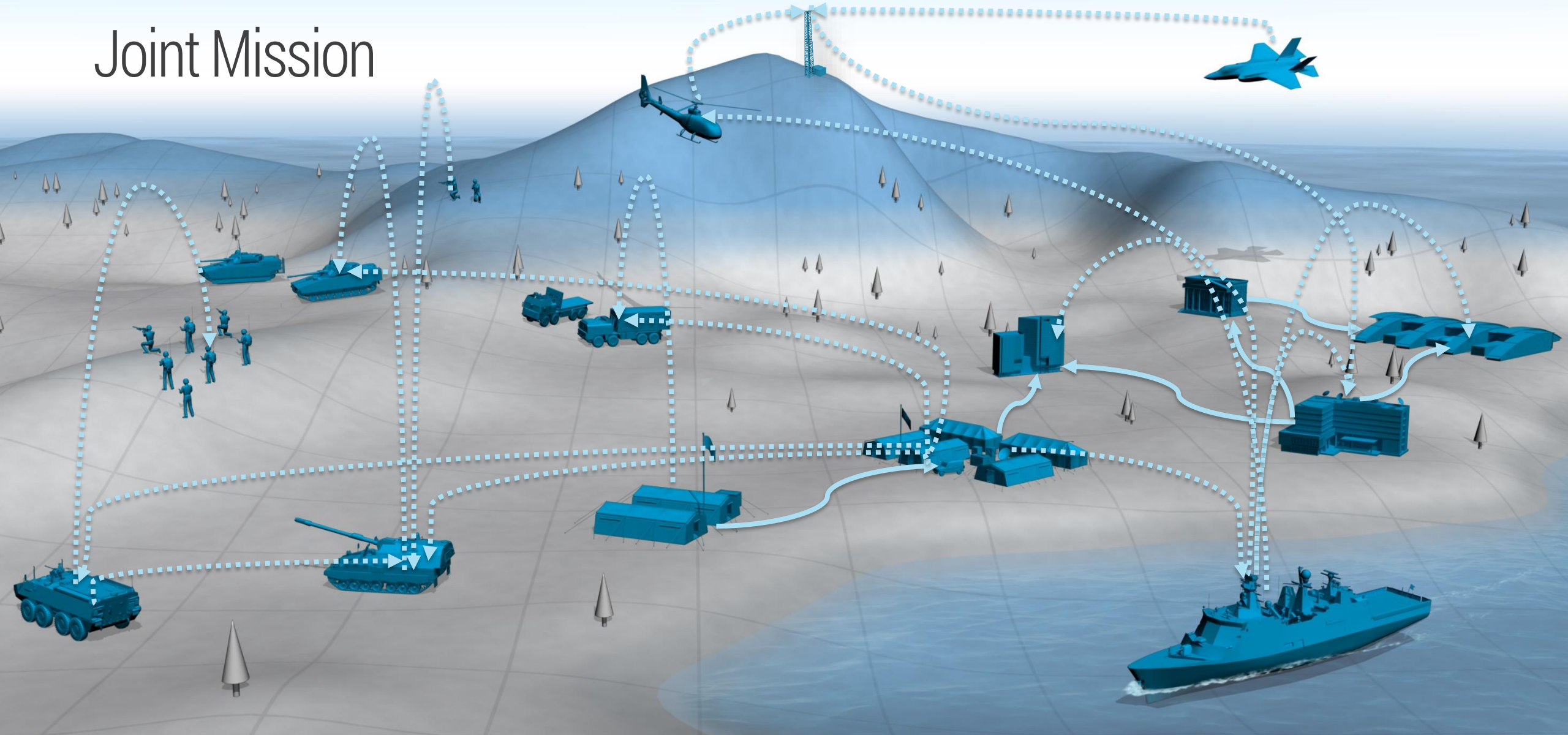
# Maritime Mission



**SYSTEMATIC  
SITAWARE**



# Joint Mission



How are MTF's developed?

# What does a message consist of

- Firm / Fud
- Fields
- Sets
- Segments
- Messages

IRIS Forms SYSTEMATIC

Edit Read Source ? Help

### OPERATIONAL TASKING ELECTRONIC WARFARE

**1 Exercise Identification**

\* Exercise Nickname: SYSTEMATIC STORM      Exercise Identifier: ▾

**2 Message Identifier**

\* Message Text Format Identifier: OPTASK EW      \* Standard: APP-11(D)      \* Version: 1

\* Originator: SSEL      Message Serial Number: 002      \* Reference Time Of Publication: ▾  
DEC : DECEMBER

Qualifier: -      Serial Number Of Qualifier: -      \* Message Security Policy: SSEL

\* Message Classification: ▾ UNCLASSIFIED : UNCLASSIFIED      Message Security Category:

**3 Period Of Time**

\* Start Of Period: 07 00 01 Z ▾ DEC ▾ 2017 ?      \* End Of Period: ▾ 070001ZDEC2017

**4 Conduct Of Operations**

\* THREE EMCON PLANS AVAILABLE:  
PLAN ALPHA - A RESTRICTED PLAN FOR OPDEC, COVERT AND SPECIAL OPS  
WHILST MAINTAINING FLEXIBILITY  
PLAN BRAVO - A RADAR GUARDSHIP PLAN TO CONCEAL AND DENY FORCE

OPTASK EW SS.IRS      Day      2..2 0-9

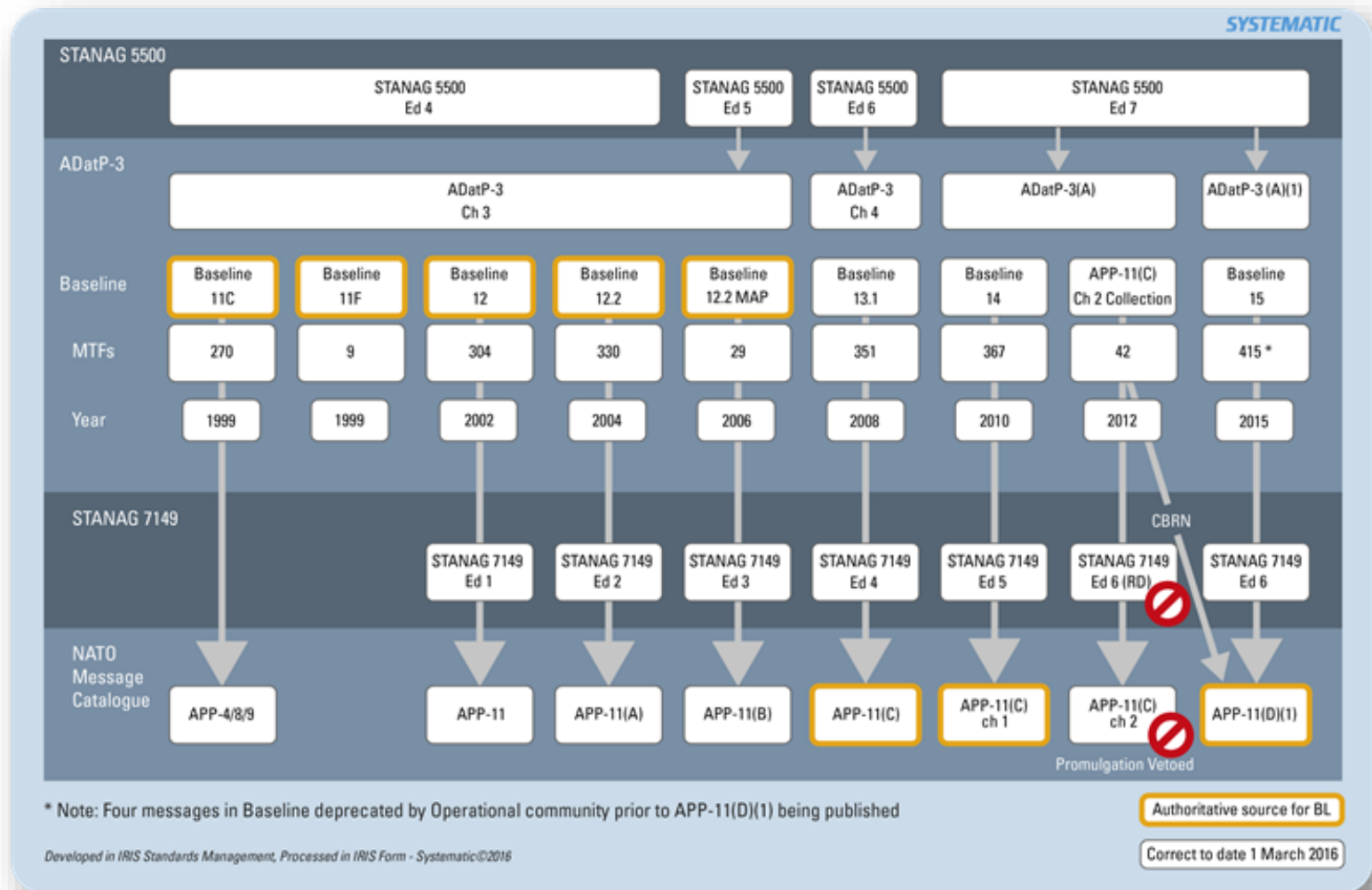
# Different Standards

- APP-11
- OTH-Gold
- USMTF
- ASMTF



# Different Standards – Different Development

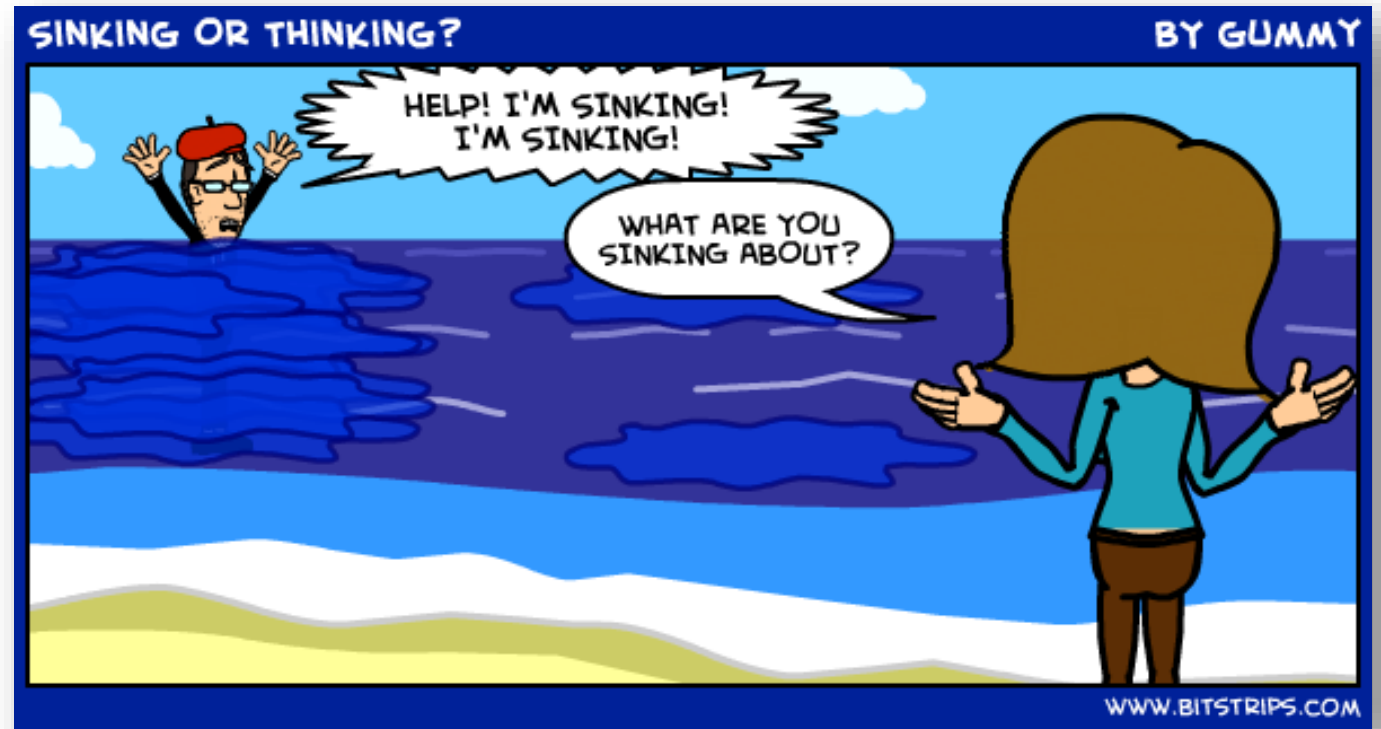
- Different work groups for standards
- APP-11 (Allied Procedural Publication-11)
- Pay attention to the yellow boxes





# APP-11 – Helps avoid misunderstandings

- NATO Standard
- Latest version "APP-11(D) (1)"
- Defined in 2002
- Contains 415 messages

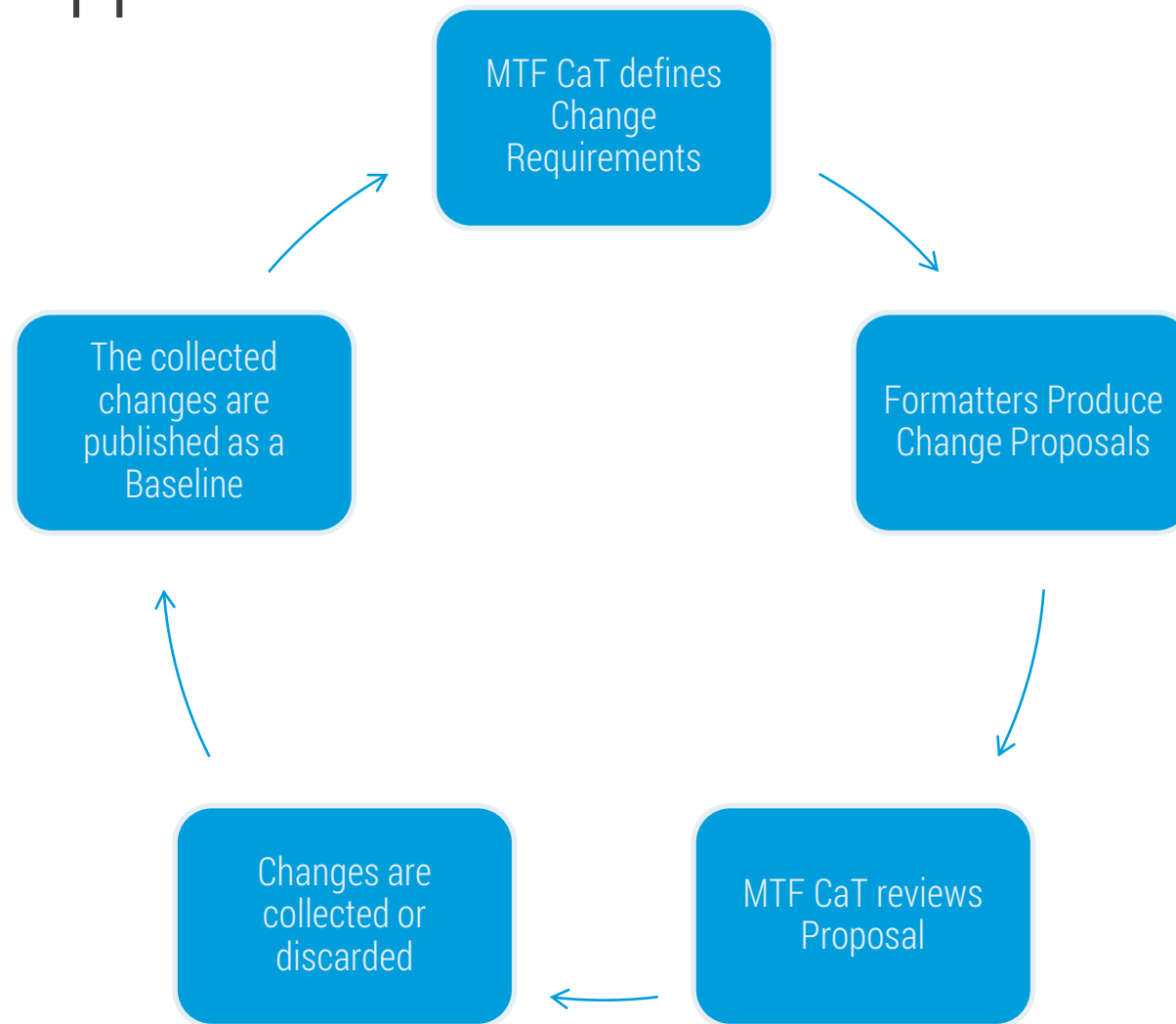


# APP-11 Development and Maintenance

- MTF cat (Message Text Format Capability Team)
- Civilians or Military staff
- Every NATO partnering country can participate
- Mutual agreement
- Veto right

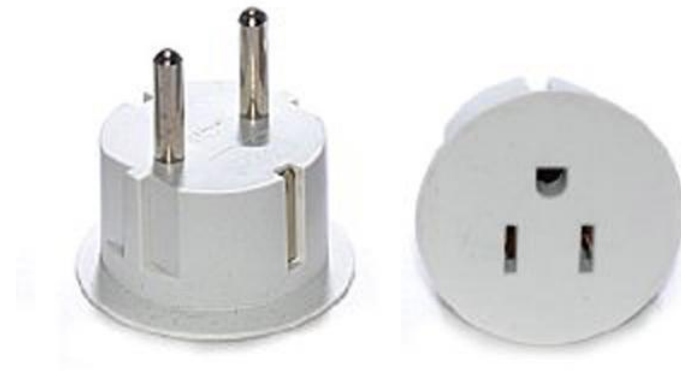


# Producing APP -11



# How does NATO make sure it's members are on the latest baseline?!

- NATO Does not force it's members to adopt latest Baselines
- Old baselines such as App11 (C) Ch1 are still in operation
- Why don't nations just upgrade?



# What would NATO do if it was king for a day?

- Have every country upgrade to APP-11 (D) (1)
- Align other baselines with APP-11
- Clean-up of database items
- Roll out support for "next gen" Baselines

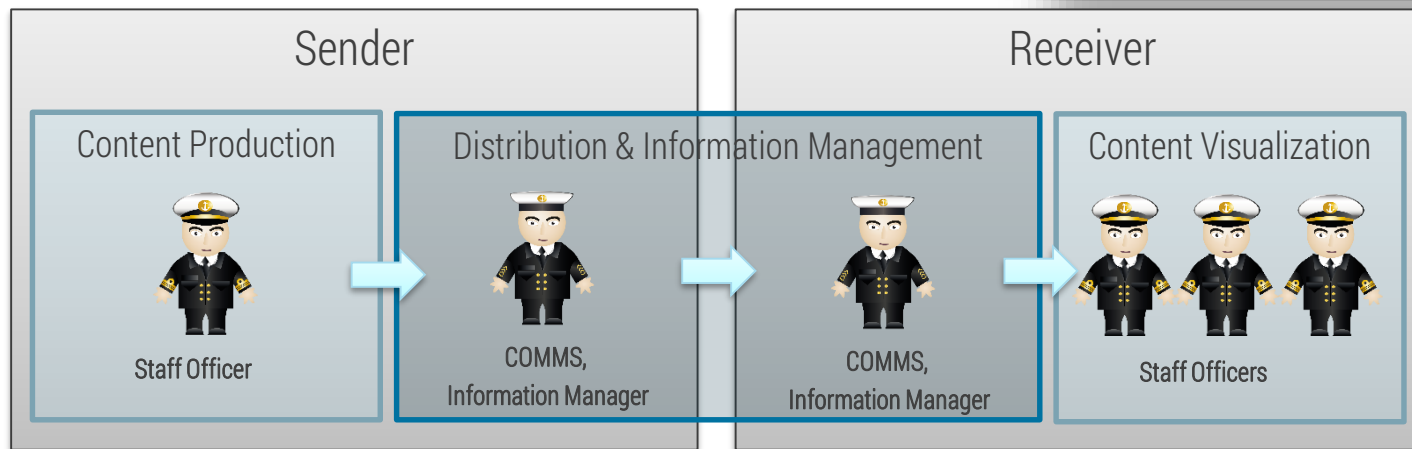




# Future of MTF

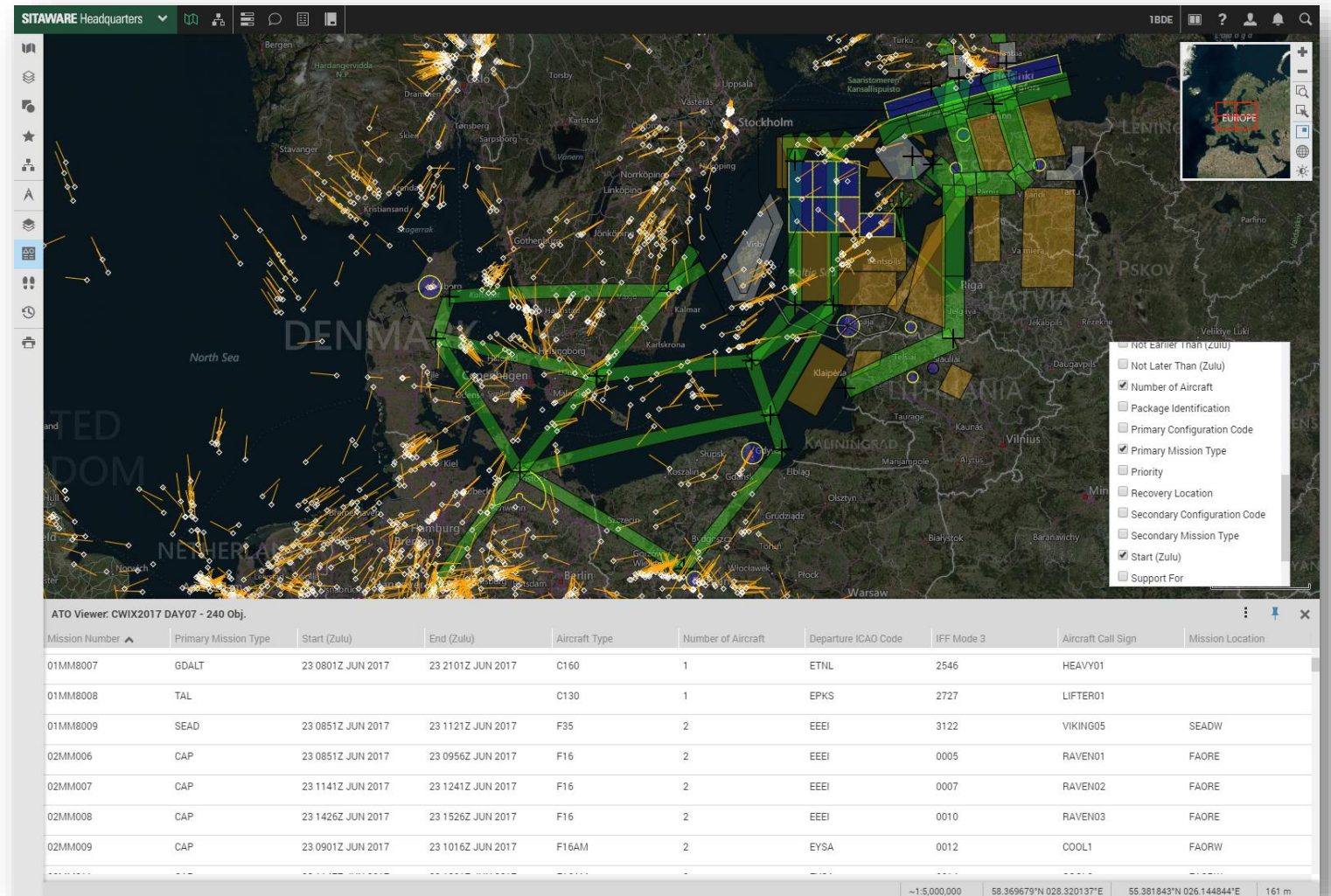
# Utilizing MTF in a more clever way

- MTF's are text based
- Cumbersome to work with



# Managing 112 pages of raw data in seconds

- Better Understanding of Space-time objects
- Reduces Turnaround time
- Reduces Manual Labor
- Created using IRIS Forms and SitaWare Headquarters Public APIs and SDK



# 4 reasons to use structured messages

Avoid Misunderstandings	Structure gives clear understanding of content
Interoperability	Can be understood by other nations and systems
Bandwidth	MTFs are extremely bandwidth efficient
Machine Readable	Computers can turn information into rich visualizations