



SATCOM IN OPERATION EUNAVFOR MED

25 November 2015

Navy Captain P. ELIA

IT EU OHQ – Acos CJ6

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AGENDA



- **PHASES OF EUNAVFORMED OPS**
- **MED CLASSIFIED MISSION NETWORK**
- **SATELLITE LINKS: POSSIBLE SOLUTION**
- **SOLUTION ADOPTED IN THIS PHASE**
- **GROW CAPABILITIES**
- **CONCLUSIONS**

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PHASES OF EUNAVFORMED OPS



PHASE 1: DEPLOY AND ASSESS

Enhancing **understanding** of s/t business model

PHASE 2: SECURE

ALPHA in IW

BRAVO in IW + TTW

Stopping, Boarding and Searching the vessels, its cargo and persons on board to collect info/evidence.

If evidence indicates that suspicion of smuggling activity is found:

- **seize** the vessel and temporarily **apprehend** persons on board
- **divert** the vessel and/or conduct persons on board to a designated port

Limiting freedom of movements to the smugglers, **detering** and **disrupting** the criminal business model.

PHASE 3: DISRUPT

Neutralise migrant smugglers/traffickers vessels and other enabling assets through limited and temporary special and amphibious operations. At the end of Phase 3, s/t will be reduced to a level manageable by individual Coastal States

PHASE 4: RE-DEPLOYMENT

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MED CLASSIFIED MISSION NETWORK

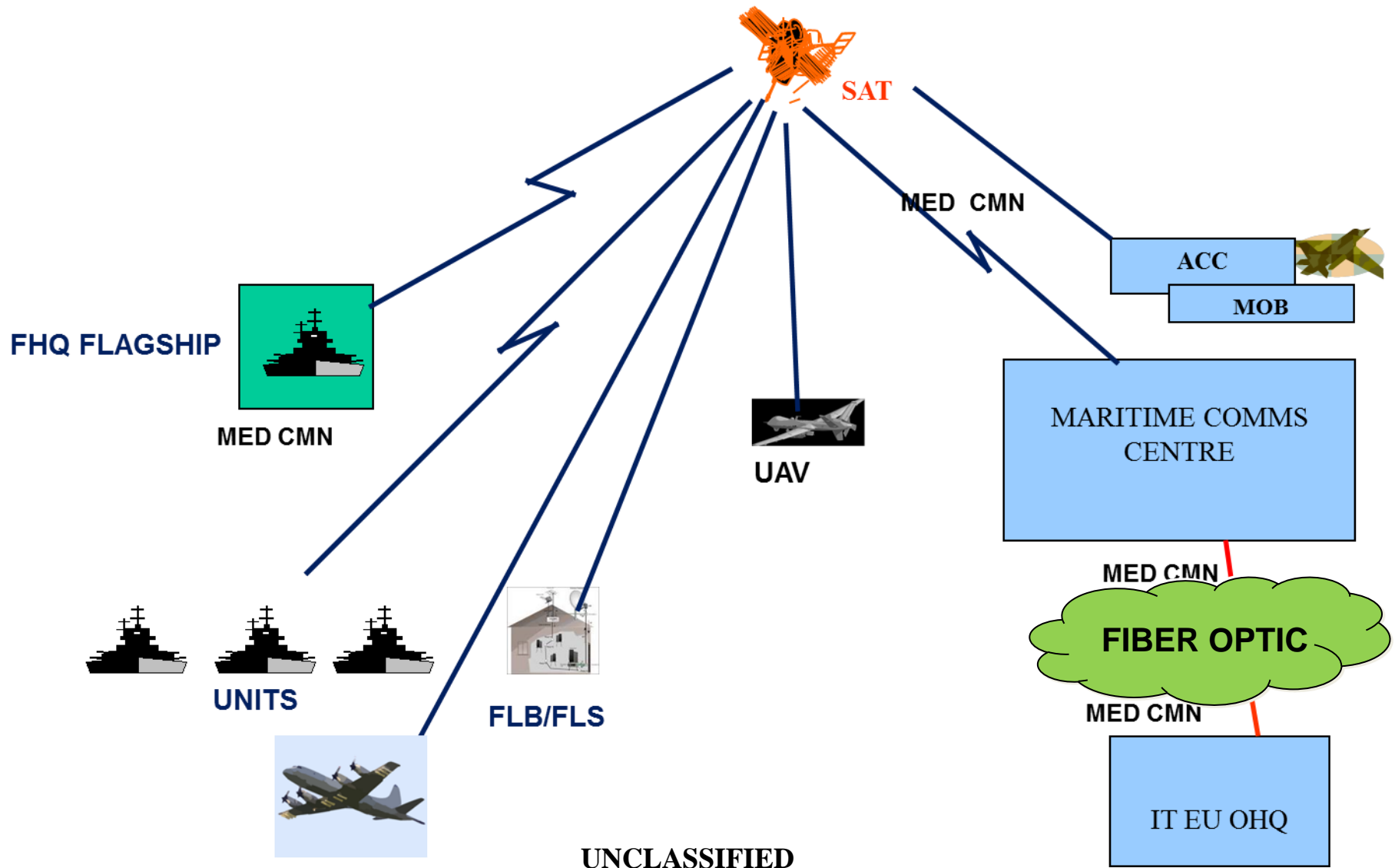


- Dedicated classified Mission Network (MED CMN) to enable info exploitation between all actors
- The connectivity support of this network is based on different links such as:
 - ✓ IT Military Satellite
 - ✓ IT Military F.O.
 - ✓ Internet

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SATELLITE LINK POSSIBLE SOLUTION





SATELLITE LINK POSSIBLE SOLUTION

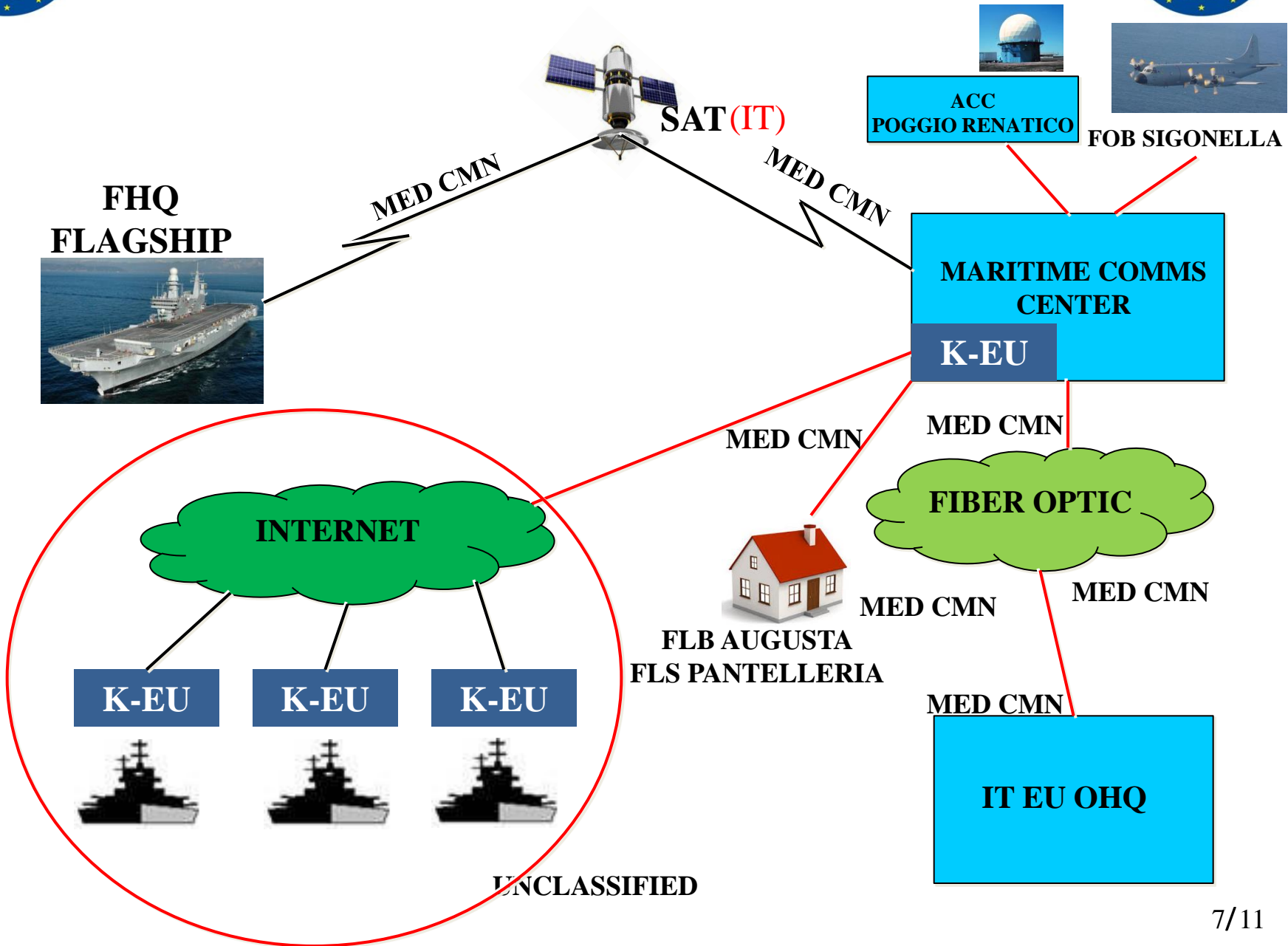


- Limited number of satellite systems available;
- Problems on national links;
- Different sets of sat system o/b ships;
- Compatibility between satmodems and anchor station.

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SATELLITE LINK - ADOPTED SOLUTION





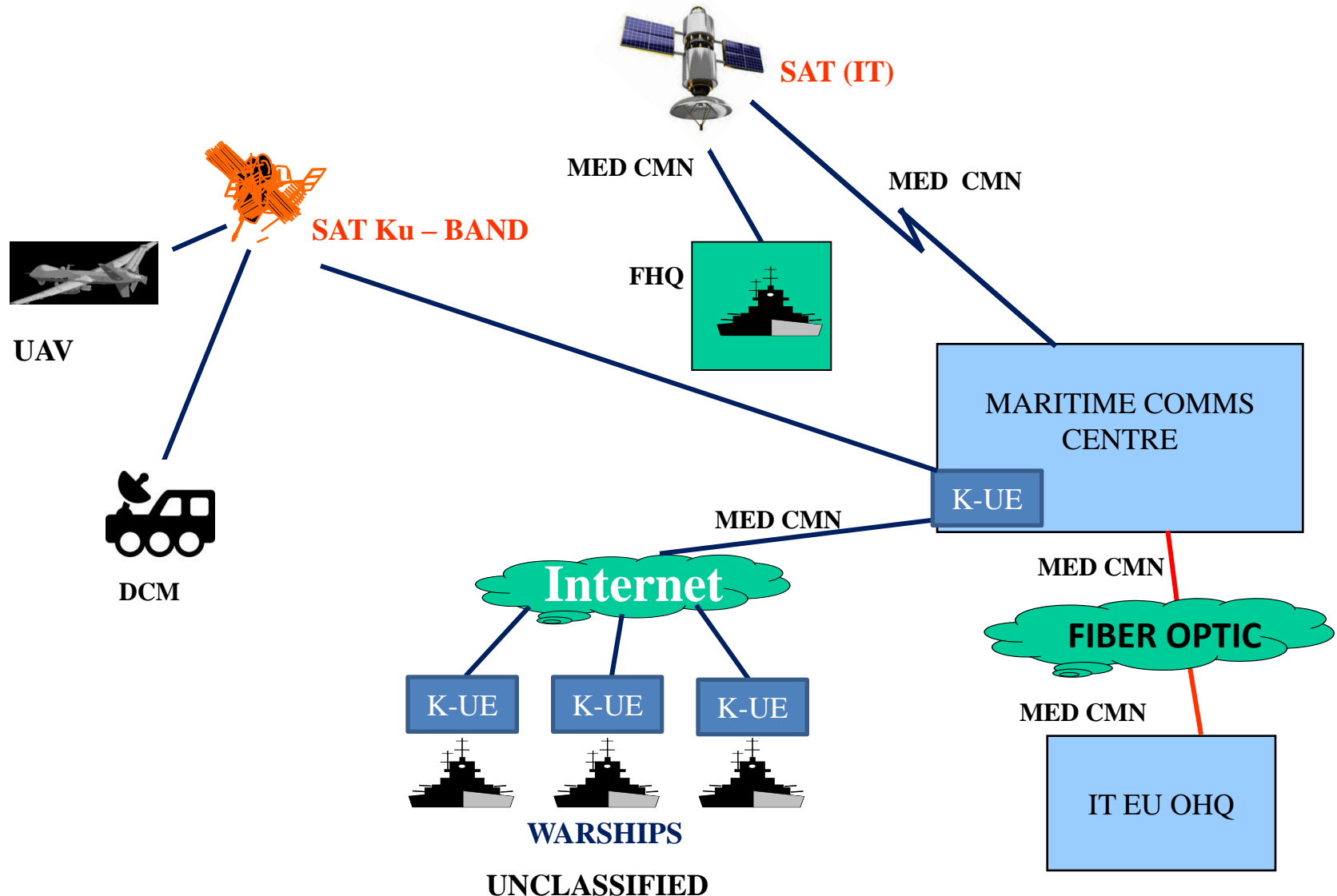
SATELLITE LINK – ADOPTED SOLUTION



- Warships with their national links unchanged;
- Through their satellite links warships have to ensure only a static public IP address with 512 kbps bandwidth;
- Satellite link towards the FHQ ensured through SICRAL constellation.



SATELLITE LINK GROW CAPABILITIES





CONCLUSIONS



- Adopted technical solution:
 - ✓ Complies with the operational requirements;
 - ✓ Not compromise national satellite links;
 - ✓ Independent from satellite system embarked.
- Project GOVSATCOM: tool to quantify the amount of bandwidth of the satellite link, on the basis of the Information Exchange Requirement (IER).

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