

MEADS

Medium Extended Air Defense System

World Class Missile Defense for the 21st Century



MBDA

MISSILE SYSTEMS

MEADS Requirements



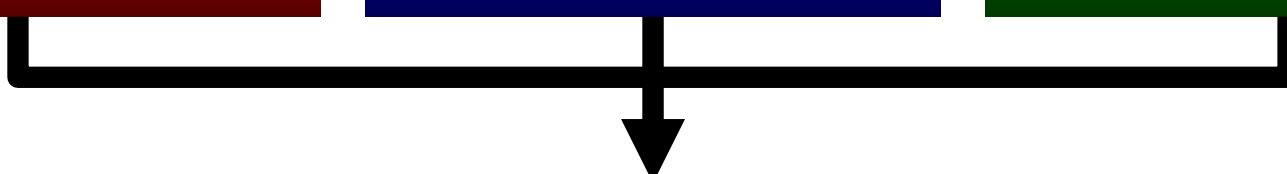
TLVS Takt. Forderungen
1987



CORPS SAM ORD
1993



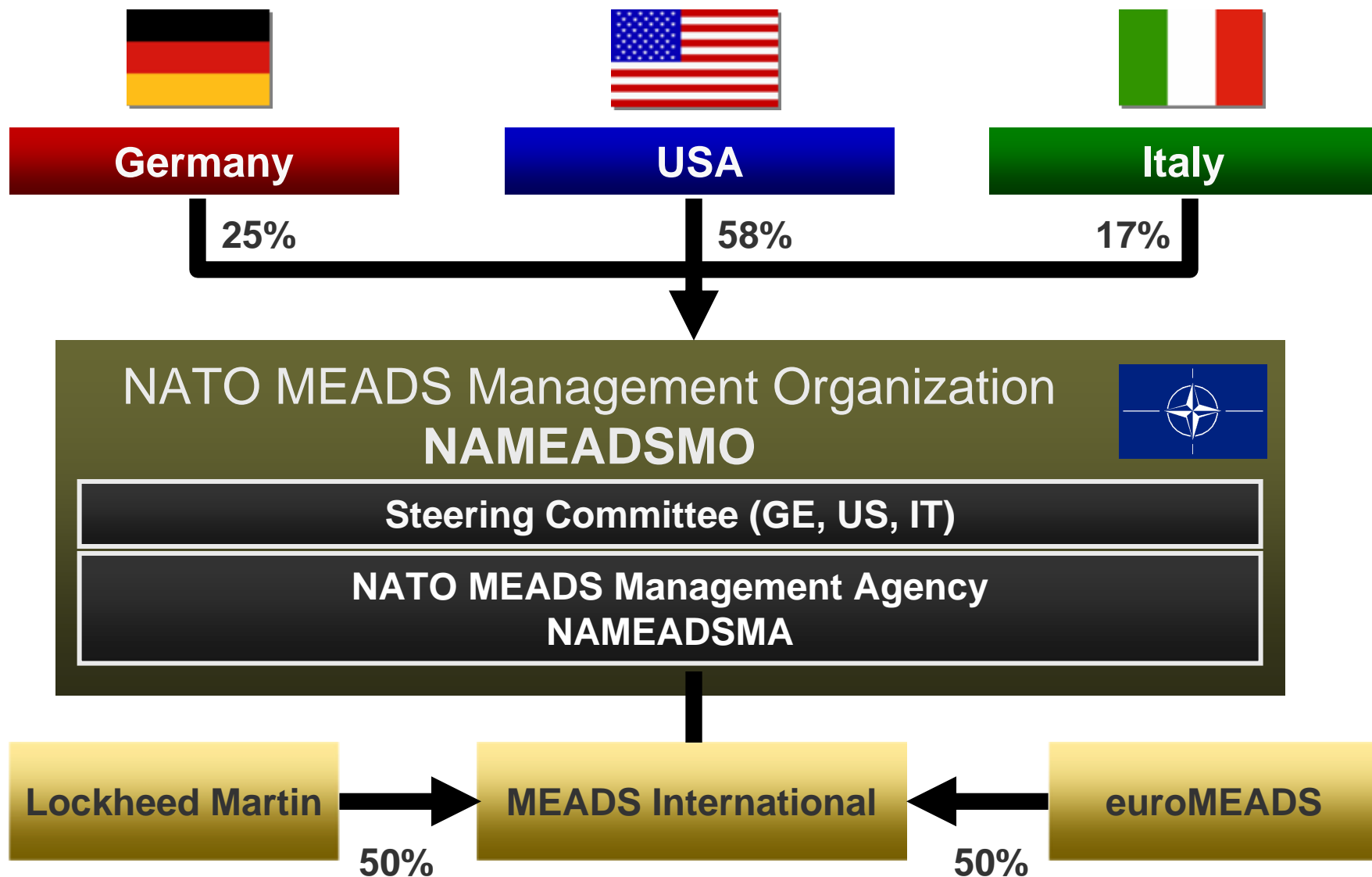
Air Force Need
1994



International Technical Requirements Document (ITRD)
1996

- Defend critical assets.
- Defeat simultaneous ballistic and air-breathing threats of stressing speed, maneuverability, and low detectability from any direction of attack.
- Operate in difficult ECM and weather environments.
- Deploy via C-130 (IT, US) and A400M (GE), with tactical mobility to support maneuver forces.

MEADS Program Organization



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MEADS Key System Parameters

TARGET SET



Tactical Ballistic Missiles / UAVs
Cruise Missiles and Aircraft
Next-generation Threats

TRANSPORTABILITY & MOBILITY



Roll-on/Roll-off Capability
Strategic and Tactical Airlift
Cross-country Mobility

OPERATING CONCEPTS



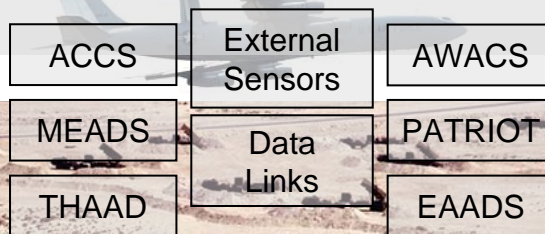
Maneuver Force Protection
Homeland Defense
Weighted Asset Protection

DEGREE OF PROTECTION



360° Coverage
High Resolution
Defended Area: ABTs -> TBMs

INTEROPERABILITY

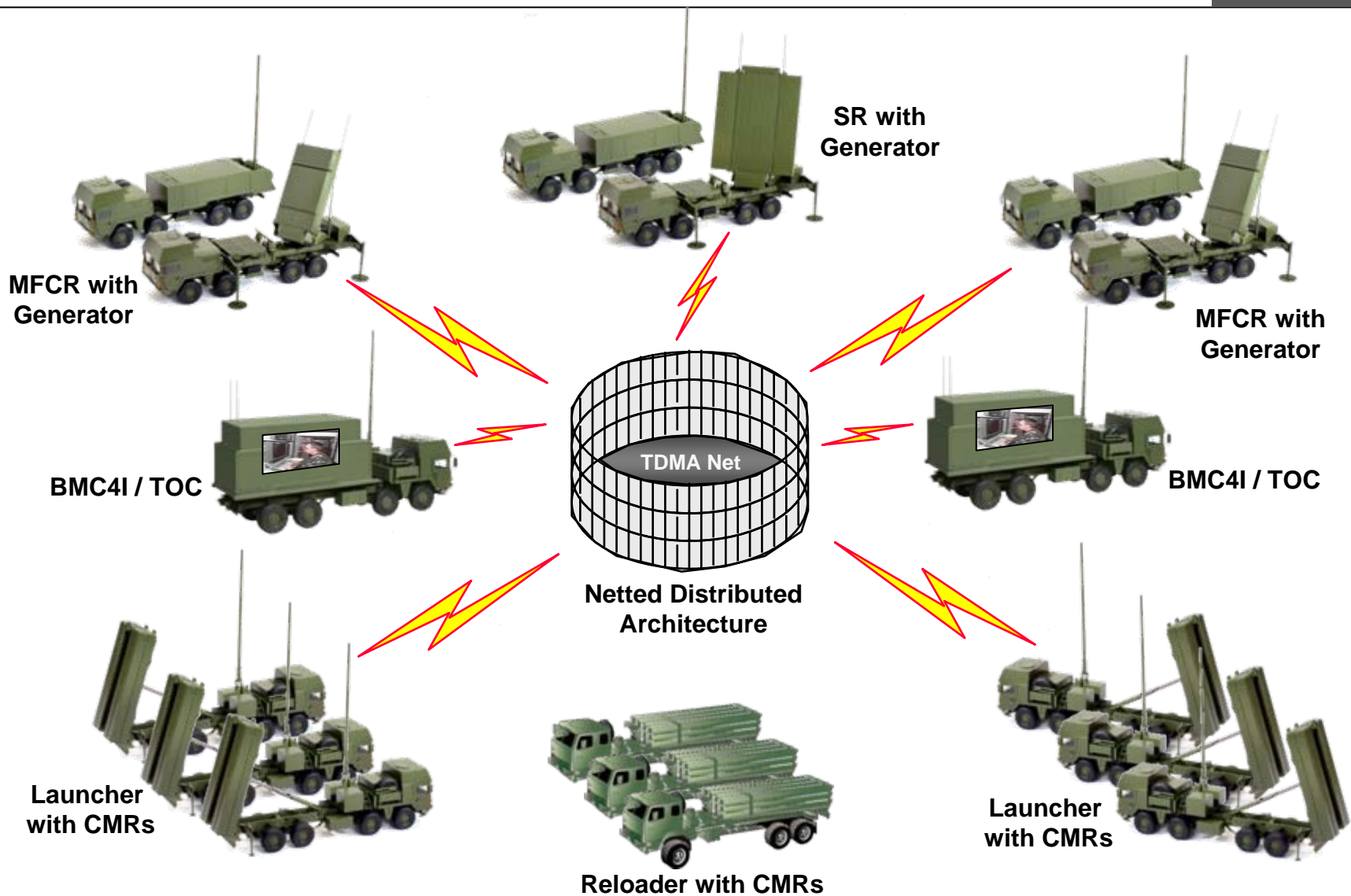


NETTED DISTRIBUTED ARCHITECTURE



Plug & Fight
Operational Flexibility
Survivability

MEADS System Architecture (→ Major End Items)



MEADS Summary

- MEADS fulfills all requirements of the Nations, harmonized and documented in the „International Technical Requirement Document (ITRD)“ and the „International Common Operational Requirements (ICOR)“ document.
- MEADS is the most-important transatlantic cooperation program with a fund and work share of 58% US, 25% Germany, and 17% Italy.
- The tri-national program is managed by the NATO organization NAMEADSMO (NAMEADSMA).
- National program companies (Lockheed Martin, LFK-Lenkflugkörpersysteme GmbH, and MBDA-IT) are managing the program in the MEADS International joint venture on equal share between Europe and the US.
- Execution of the Design & Development Contract is on schedule. The PDR process is almost completed.
- System will be in service in the US, IT and GE Armed Forces from 2014.