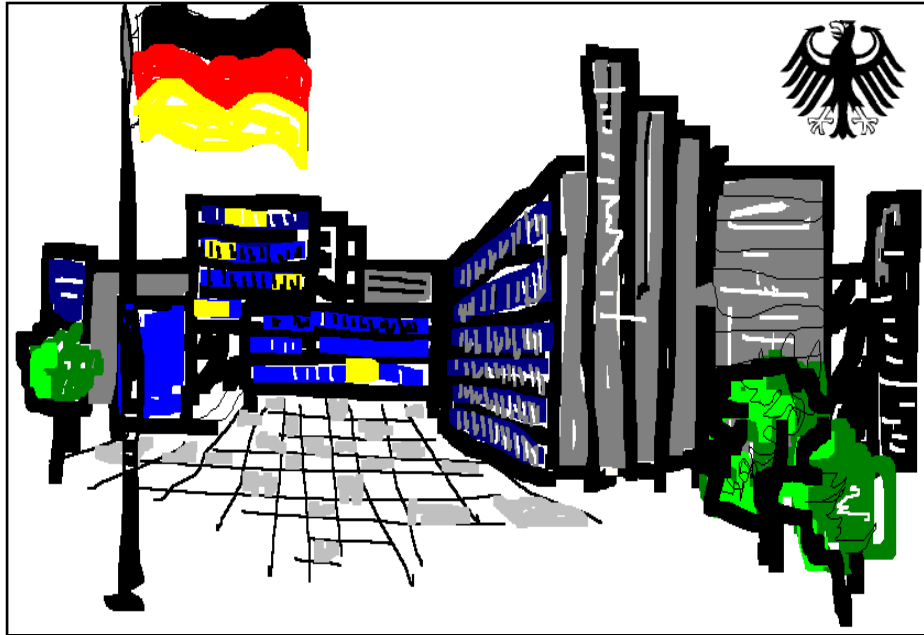




Establishment of a National Military Aviation Authority - Germany's Approach -

MAWA Conference

Joachim Sucker

Federal Ministry of Defence – AIN V 1

Aix-en-Provence, 25th / 26th September 2013

- **Background**
 - **Legal aspects and current responsibilities**
 - **National Regulations**
 - **Organisational Structure Federal Ministry of Defence**
 - **„Key Player“ Military Airworthiness**
- **EMAR approach in Germany**
 - **Minister of Defence Initiative, March 2012**
 - **EMAR Working Group**
 - **A400M pathfinder project**
- **Concept of a National Military Aviation Authority**
- **Summary**

§ 30 (1) German Air Traffic Law

“The Armed Forces, State Police, ... are allowed to deviate from the regulations ... of this law ... and the associated implementation provisions; as long as it is required for their specific tasks in consideration of public security or order. ...”

Joint Service Regulation 19/1

“Airworthiness Verification and Certification Regulations for Bundeswehr Aircraft and Aeronautical Equipment”



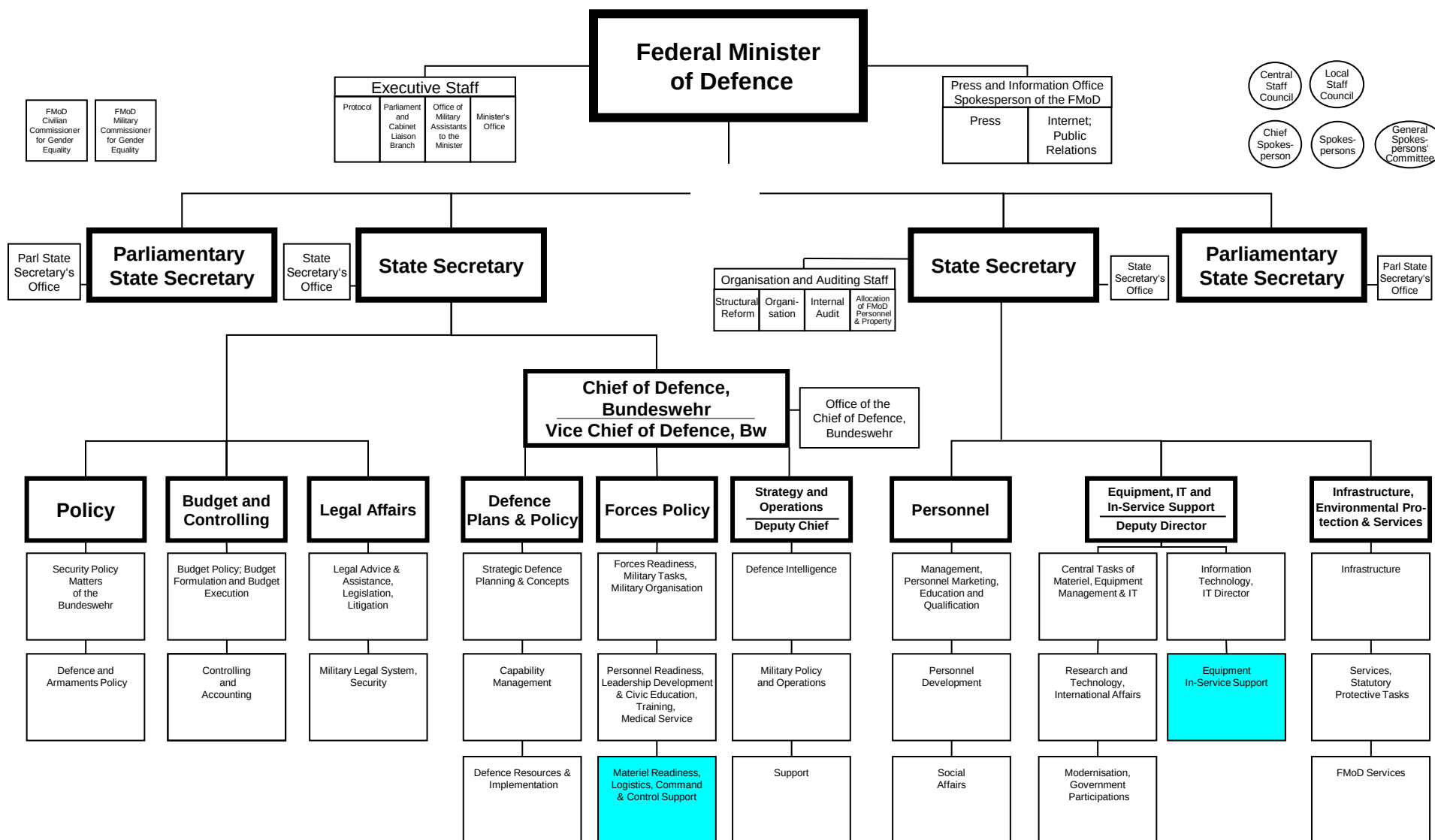
„Exceptions only if required to fulfill the tasks – otherwise maintain same safety standard”



Current Structure DEU FMoD



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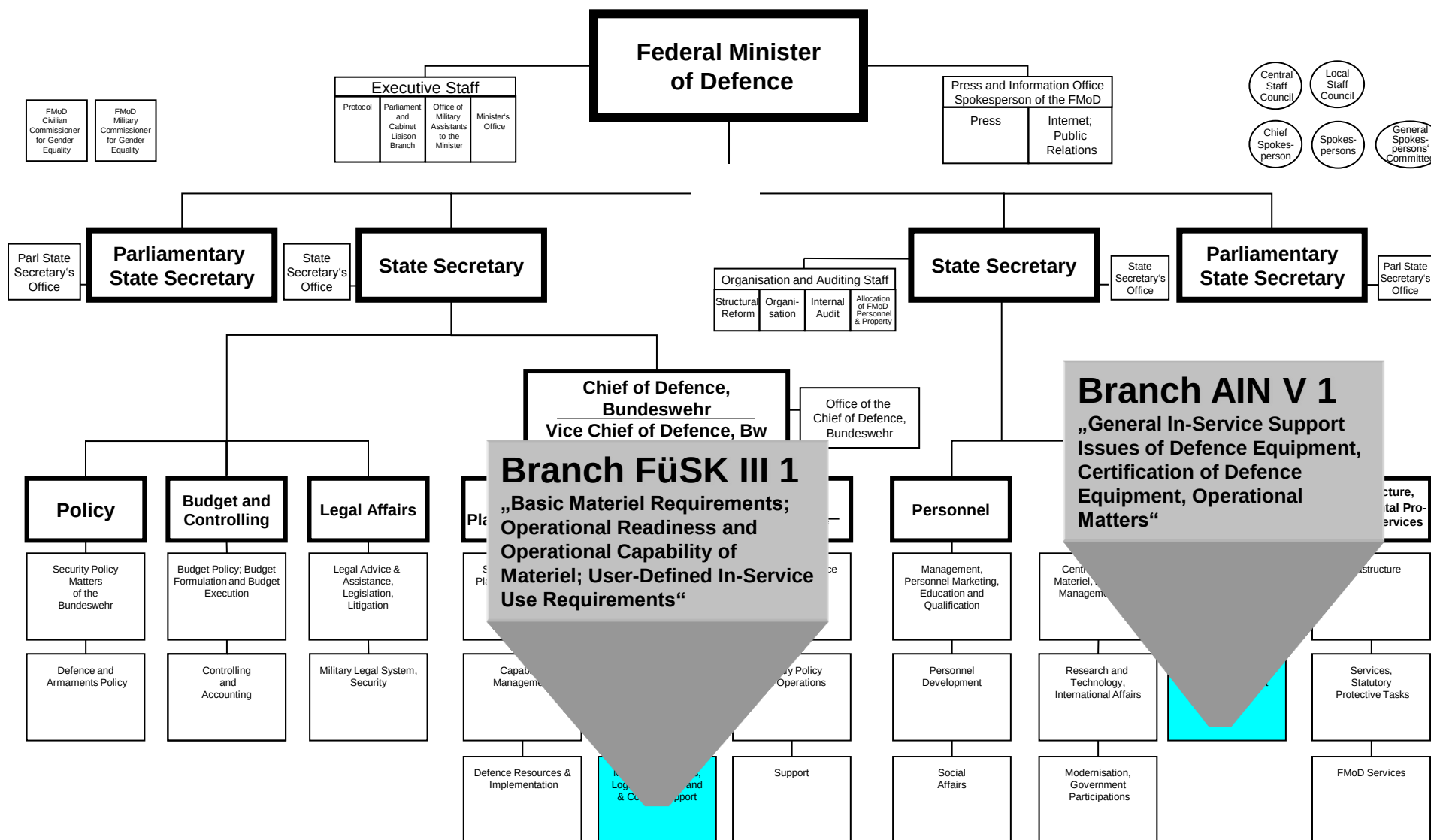




Current Structure DEU FMoD



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GE “Key Player” Military Airworthiness



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Operations (Continuing Airworthiness)

**FMoD
FüSK I 2**

**FMoD
FüSK III 1**

Army

Navy

Air Force

Flight Safety

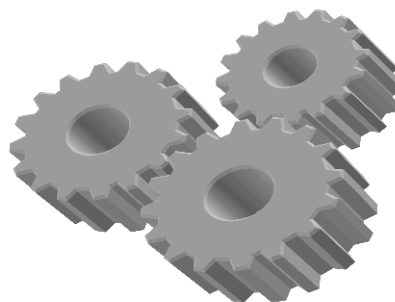
Operations

**Senior Technical Officer
for aircraft**

- Certificate of Airworthiness
- Release to flight

Development / Production (Continued Airworthiness)

**FMoD
R I 2**
– Legal aspects



**FMoD
AIN V 1**

**FMoD
AIN V 5**

**Federal Office of
Bundeswehr Equipment,
Information Technology
and In-Service Support**

**Director
Airwor-
thiness**

**QA -
Organisation**

- Military Type Certificate
- Product Conformity Inspection
- Organisational Approvals of Industry





Bundesministerium der Verteidigung, 11055 Berlin

Verteiler

Berlin, 22. März 2012

Sehr geehrte Kolleginnen und Kollegen,

gestatten Sie mir Ihnen, ein gemeinsames Anliegen Frankreichs und Deutschlands aus dem Bereich der europäischen Harmonisierung der Zulassungsbestimmungen für Luftfahrzeuge näher zu bringen.

Wie Ihnen sicher bekannt ist, erarbeiten Experten aus 26 EU-Staaten seit dem Jahr 2008 unter dem Dach des Military Airworthiness Authorities Forums der European Defence Agency (EDA) im EU-Rahmen harmonisierte Anforderungen an die Lufttüchtigkeit militärischer Luftfahrzeuge. Ziel ist eine Harmonisierung und Vereinfachung der Zulassungsprozeduren bei internationalen militärischen Luftfahrtprogrammen, um hier den Zeitbedarf und die Komplexität zu verringern.

Die Verteidigungsminister Frankreichs und Deutschlands möchten den begonnenen Harmonisierungsprozess weiter fördern und haben aus diesem Anlass ein gemeinsames deutsch-französisches Initiativpapier abgestimmt, das vier konkrete Ziele umfasst.

Ich möchte Ihnen dieses Papier als Anlage übermitteln, gleichzeitig um Ihre Unterstützung der Initiative und aktive Teilnahme bitten sowie damit die Grundlage

Dr. Thomas de Maizière
Bundesminister der Verteidigung
Mitglied des Deutschen Bundestages
Stauffenbergstraße 18, 10785 Berlin
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für weitere Diskussionen, möglicherweise bereits im EDA-Lenkungsausschuss am 22. März 2012, schaffen. Es ist meine feste Überzeugung, dass wir hier ein großes Potential für Zusammenarbeit und für Synergien in unserer aller Interesse haben.

Mit freundlichen Grüßen

Annex: FRA – DEU „Food for Thought Paper“

- Intensify the process for drawing up EMAR in the MAWA Forum
- Achieve speedy national EMAR implementation
- Coordinate the MAWA activities with those of the NATO Airworthiness Working Group
- Draw up a document verifying the procedures to achieve comprehensive mutual recognition“

Analysis of EMAR Implementation concentrating on EMAR 145 (October 2012 until March 2013)

- **Recommendations:**
 - Implement EMAR 145, 147, 66 and M as one regulation set
 - Problem: complete EMAR set not available before 2015
 - Stepped approach required
- **Next steps:**
 - Analysis how to implement the DEU EMAR regulation set
 - In addition, support German Air Force pathfinder project A400M
 - Case by case decision, which weapon system will be transferred

Current Activities

- **Focus on in-service activities within the German Air Force (stepped approach) writing required EMAR DEU**
- **Prepare organisational structure Air Transport Wing 62, Wunstorf**
- **Define transfer of current technicians' certificates to new Military Aircraft License system (iaw EMAR)**



Preparation Phase

- **Information exchange**
 - Visit to the NLD MAA, The Hague on 5 November 2012
 - Visit to the GBR MAA, Bristol on 12 / 13 February 2013
- **Analyse split organisational responsibilities**
 - Recommendation on optimization areas and procedures
 - Reduction of interfaces
 - Consider all aspects to assure safe flying operations
- **De-brief State Secretary Beemelmans on 19 December 2012**
 - Proposal way ahead
 - ✓ Establishment of a ministerial working group

- **5th February 2013 Ministerial Working Group established**
- **21st March 2013 Preliminary Report**
 - Recommendation: establish Military Aviation Authority (MAA)
 - Consider all aspects to assure safe flying operations
- **29th May 2013 Final Report**
 - Recommendation: high level organisational structure
 - Follow-on Working Group to continue
 - Preparing a decision on the Management structure
 - Drafting of an organisational structure
 - Proposing allegation of the MAA
 - Recommending the positioning of the MAA



„All key players together under one roof”

- **Independent organisation**
- **Preliminary organizational structure**
- **Consider**
 - **In-service-support and mission requirements**
 - **Multinational projects**
 - **Off-the-shelf procurement**
 - **EMAR**
 - **SESAR**

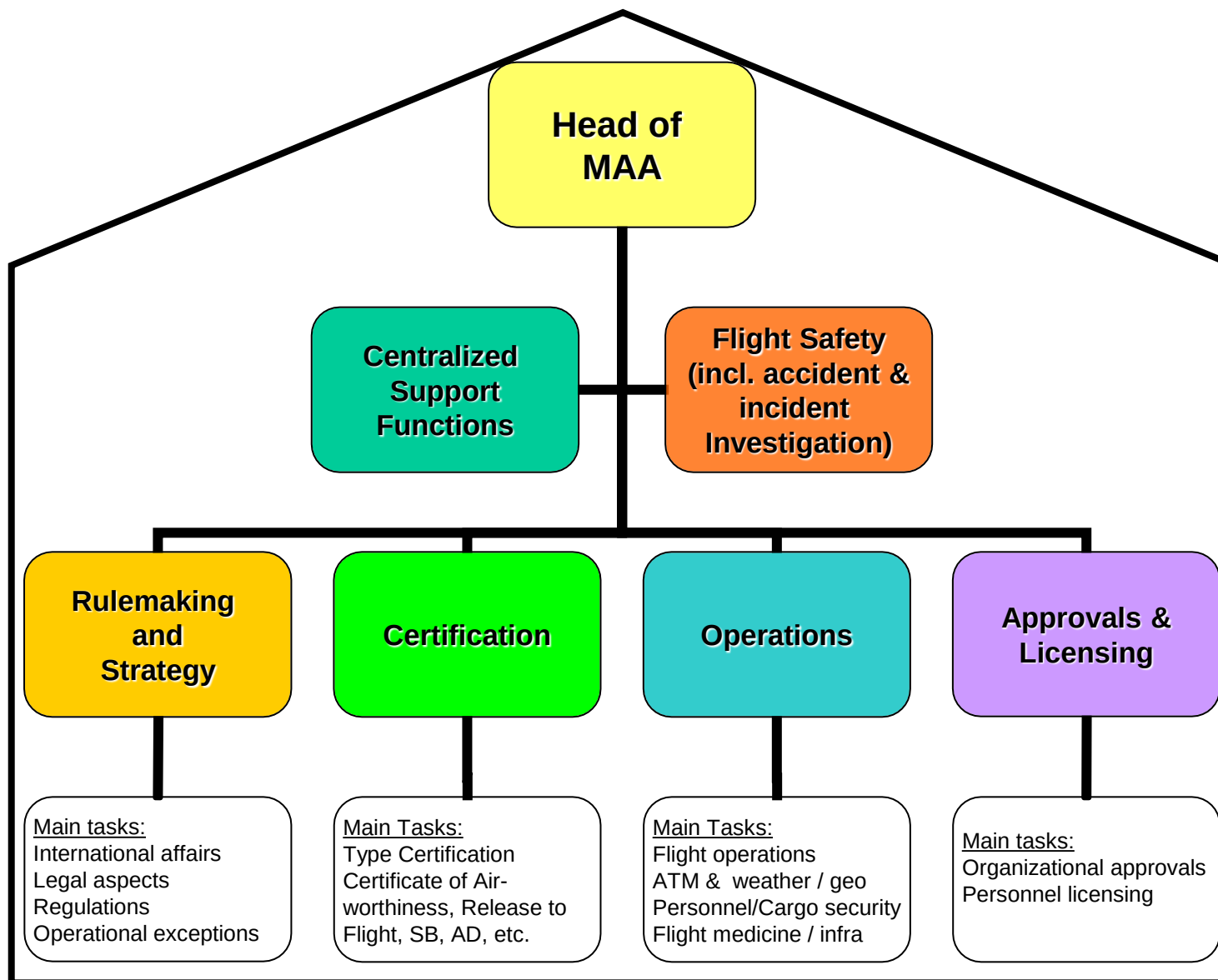
rulemaking + strategy – certification – flight operations
- organizational approvals + licensing of personnel

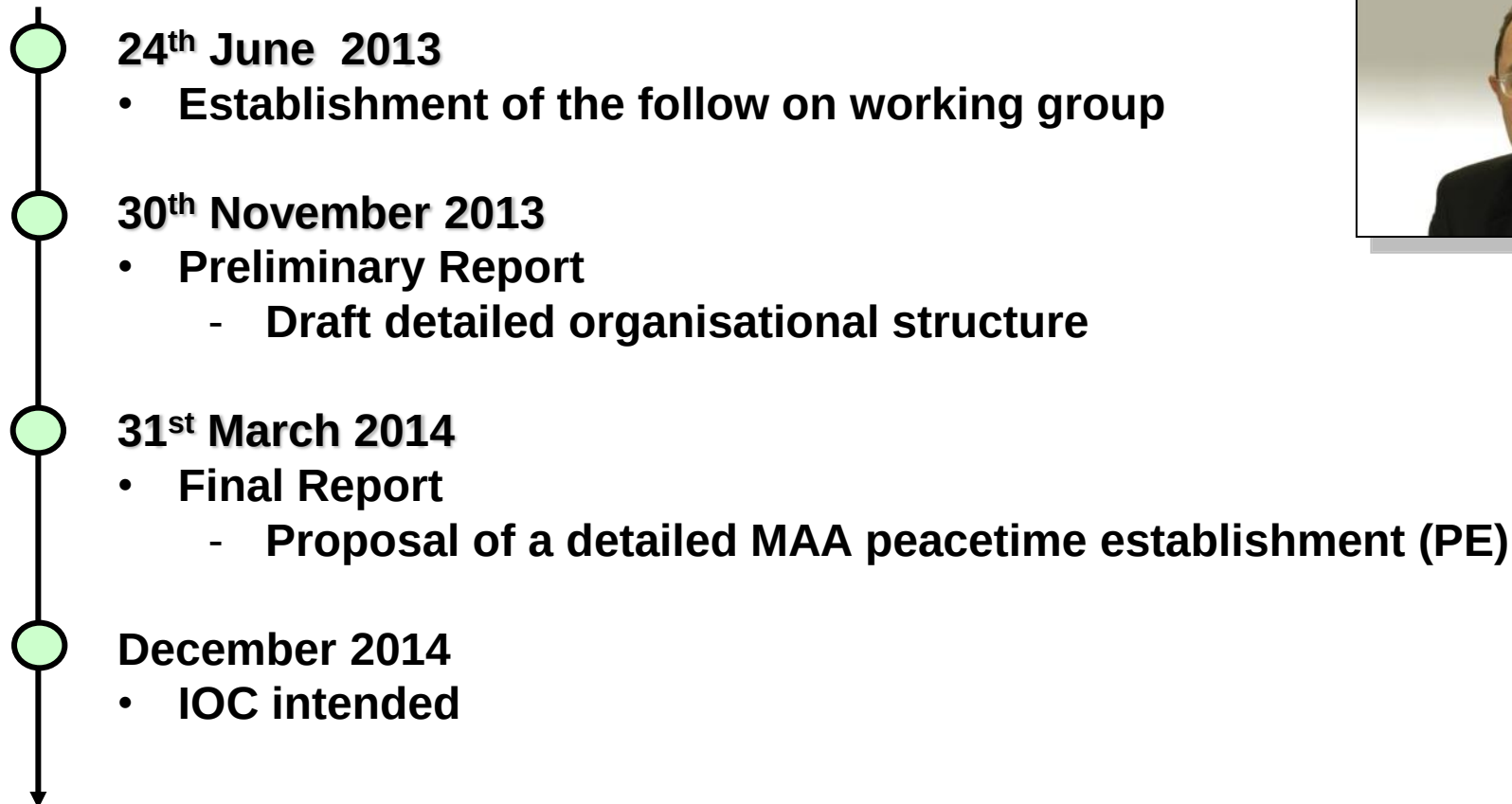


GE Concept to establish a NMAA



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- **German MAA on track but challenging timeline**
- **Strongly support by the Minister of Defence**
- **A400M pathfinder project for the national EMAR implementation; preparations to be finalized before delivery of first DEU A400M aircraft in November 2014**
- **DEU is supporting the EMAR approach in all areas**



Questions?