



Ministry of Defence



Benefits and Impact of EMARs on Military Business

The Netherlands case

Military Aviation Authority NLD

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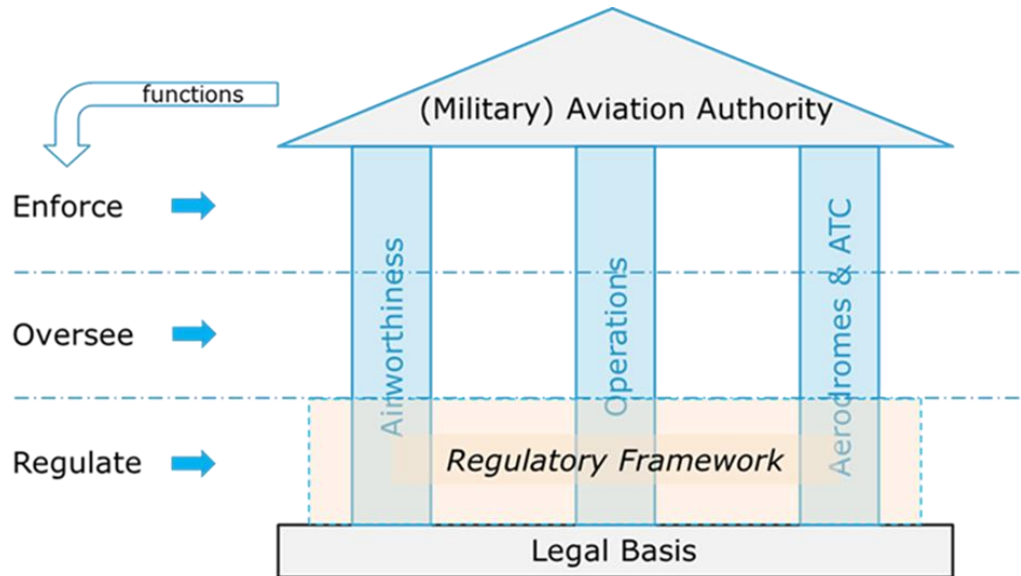


Overview

- Intro MAA-NLD
- EMAR vs NLD-MAR
- Status NLD-MAR implementation
- Assessment/review
- Summary / question time



NL approach: Military Aviation System (MAS)



Legal basis:	aviation act (responsibilities for MinDef on mil air ops)
Ministrial decree:	MAS = framework for mil aviation safety
MinDef:	operator + regulator + surveyor
MAA-NLD:	independent surveyor for safety in MAS



MAA-NLD

- authority for military aviation
 - Initial & continuing airworthiness
 - Aerospace safety (Ops, ATM, support services)
- responsibilities
 - MTC / CoA for all mil A/C
 - Oversight MAS
 - Exemptions (DG, airfield/airspace use, regulations)
 - Regulations (NLD-MAR-....)

42₍₊₁₀₎ FTE (↑)



EMAR vs MAA-NLD regulations

"old" NL regulation*	EMAR req't	pub. date	NL regulation	pub. date
MLE-145	EMAR 145 1.2	Oct 2016	NLD-MAR-145 1.0	Mar 2019
MLE-21	EMAR 21 1.3	Feb 2018	<i>NLD-MAR-21 1.0</i>	<i>Dec 2019</i>
MLE-66	EMAR 66 1.0	Sep 2014	<i>NLD-MAR-66 1.0</i>	<i>Oct 2019</i>
MAR-OPS, subpart M	EMAR M 1.0	Oct 2015	NLD-MAR-M 1.0	Jan 2019
MLE-147	EMAR 147 1.1	Sep 2014	<i>NLD-MAR-147 1.0</i>	<i>Oct 2019</i>

* compliant with EASA parts

Main Δ EMAR <> NLD-MAR



145

Subject	EMAR	NLD-MAR	Remarks
SMS	absent	AMO shall establish SMS acceptable to MAA	ICAO Annex 19
QM	By AM	By organisation	Central HR
Maint & Personnel	Line & Base	Exempts for "non-complex" A/C	Small UAV's

M

Subject	EMAR	NLD-MAR	Remarks
SMS	absent	included	ICAO Annex 19

21, 66, 147: no significant deviations foreseen from EMAR



Organisations (being) approved i.a.w. NLD-MLE/MAR

	DHC (H/C)	VLKL (F16)	LW (F16)	LCW (PC7 & PM)	EHVN (C130/K DC10)	107 ASBt (RPAS)	OT&E (F35)	MTO	MMF (A330 MRTT)	DMO (MTCHO)
145	MLE	MLE	MLE	MLE	MLE	MLE	MLE		MAR	
21										MLE
147								MLE		
M			MAR	MAR					MAR	

Green: MAA approval
Red: towards MAA approval



NLD-MAR vs. MLE

Benefits

- Less language and translation issues
- Transferring EMAR in NLD-MAR less effort than from EASA
- Easier exchange of artefacts between MAA's
- Less auditing
- Interoperability of personnel and material likely to increase
- More clarity for Industry about compliancy issues
- GM much appreciated by RC

Disadvantages

- Increased update "gap" between new EASA and NLD-MAR
- NMAA-NMAA "transferred" oversight may be out of balance
- Less regulatory freedom for MAA



Summary

NLD Military Aviation System = Airworthiness
Operations
Aerodromes/ATC

MAA: regulate, oversee & enforce

From (EASA based) MLE via EMAR to NLD-MAR

NLD-MAR-145 & -M published, no approvals yet but MLE

NLD-MAR implementations are advantageous so ...



Message

Start (or proceed with) implementation of EMAR's

It may take a while but it is worth the investment!

