



Ministry
of Defence

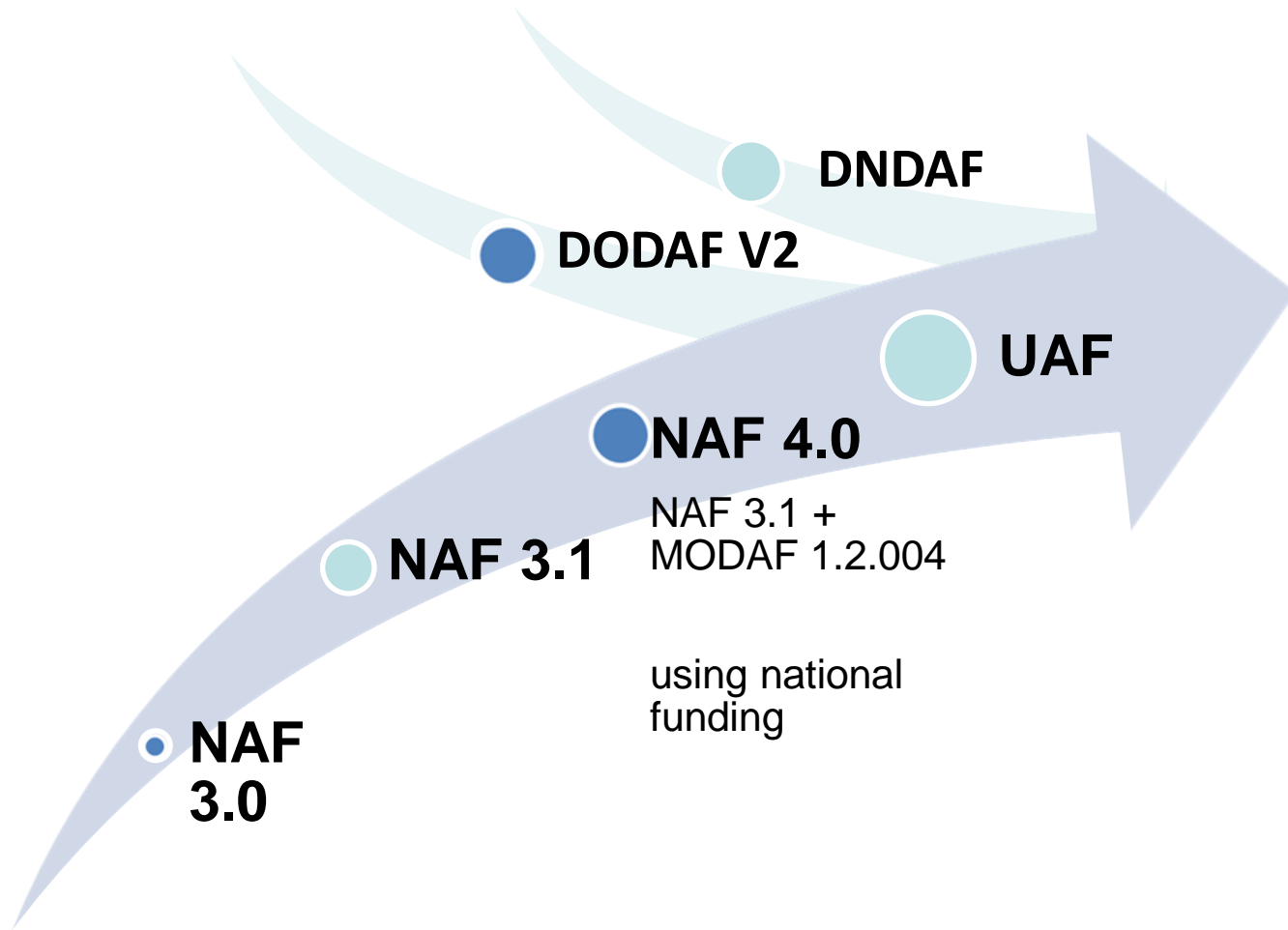
NATO Architecture Framework v4 Update

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Integrated EA, 4 March 2015

NAF Roadmap



Why MODAF and NATO Architecture Framework (NAF) Convergence is Important

- Support alliance interoperability
 - enable us to ensure “coherence of architectures”
- Methodology
 - a core methodology based on best practice (TOGAF)
- Re-Use
 - Easier identification of NATO systems and applications
- Step towards a Unified Architecture Framework
- Pooling of limited technical resources

How do we measure a piece of string?

NAFv4 Draft STANAG

- Part of the NATO Architecture CaT programme of work
- Chapters 1,3,4 ready for comment by nations
- IST 130 working group developing chapter 2 (Methodology)

Current Status - Architecture Capability Team work

- TOGAF recommended for use in the design process.

COMPLETED

- Development of NAF v.4 as a STANAG is the major activity

ON GOING

Development Strategy

- UK to migrate from MODAF to NAF at the earliest opportunity
- Develop new draft meta model for NAF based on MODEM and additions offered by other Nations
- Develop Draft STANAG
- Resolve some historical issues with the view structure (Grid Approach)

	Behaviour								
	Taxonomy	Structure	Connectivity	Processes	States	Sequences	Information	Constraints	Roadmap
Concepts	C1 Capability Taxonomy NAV-2, NCV-2 AV-2, SV-2	C2 Enterprise Vision NCV-1 SV-1	C3 Capability Dependencies NCV-4 SV-4	C4 Standard Processes NCV-6 SV-6	C5 Effects		C7 Performance Parameters NCV-1 SV-1	C8 Planning Assumptions	Cr Capability Roadmap NCV-3 SV-3
Service Specifications	C1-S1 (NSOV-3) S1 Service Taxonomy NAV-2, NSOV-1 AV-2, SOV-1		S3 Service Interfaces NSOV-2 SOV-2	S4 Service Functions NSOV-3 SOV-5	S5 Service States NSOV-4b SOV-4b	S6 Service Interactions NSOV-4c SOV-4c	S7 Service I/F Parameters NSOV-2 SOV-2	S8 Service Policy NSOV-4a SOV-4a	Sr Service Roadmap
Logical Specifications	L1 Node Types NAV-2 AV-2	L2 Logical Scenario NOV-2 OV-2	L3 Node Interactions NOV-2, NOV-3 OV-2, OV-3	L4 Logical Activities NOV-5 OV-5	L5 Logical States NOV-6b OV-6b	L6 Logical Sequence NOV-6c OV-6c	L7 Logical Data Model NSV-11a OV-7	L8 Logical Constraints NOV-6a OV-6a	Lr Lines of Development NPV-2 Act-2
Physical Resource Specifications	P1 Resource Types NAV-2, NSV-2a, 7, 9, 12 AV-2, SV-2a, 7, 9, 12	P2 Resource Structure NOV-4, NSV-1 OV-4, SV-1	P3 Resource Connectivity NSV-2, NSV-6 SV-2, SV-6	L4-P4 (NSV-5) P4 Resource Functions NSV-4 SV-4	P5 Resource States NSV-10b SV-10b	P6 Resource Sequence NSV-10c SV-10c	P7 Resource Data Model NSV-11b SV-11	P8 Resource Constraints NSV-10a SV-10a	Pr Configuration Management NSV-8 SV-8
Deployed Resources	D1 Master Data NAV-2 AV-2	D2 Deployed Resources NOV-4 OV-4							Dr Deployment Schedule NCV-5 SV-5
Architecture Meta-Data	A1 Meta-Data Definitions NAV-3 AV-1/2	A2 Architecture Products	A3 Architecture Correspondence ISO42010	A4 Methodology Used NAF-Ch2	A5 Architecture Status NAV-1 AV-1	A6 Architecture Versions NAV-1 AV-1	A7 Architecture Meta-Data NAV-1/3 AV-1	A8 Standards NTV-1/2 TV-1/2	Ar Architecture Roadmap

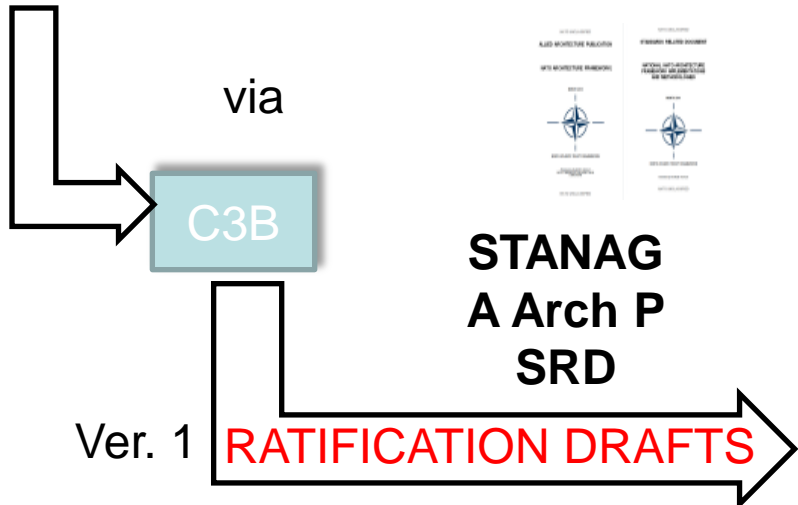
DRAFT COMPLETED

It will take time ...

Covering STANAG	Time / Who	Multinational Document	Time/ Who	Std Rel Doc	Time/ Who	Handbook	Time/ Who
Main	Creation UK /end Mar 14 Promulgation Arch CaT Lead	Ch 1 Introduction	UK	Commands' and Nations' Specific Main		Management	TBC
		Ch 2 Methodology	FRA/ Sep '14	Annexes - SUI (National Adoptions)	End '14		
		Ch 3 Viewpoint / Views	UK - SWE /TBC (spring '14)	- UK AMN, EA for ICT, GEAR, SOSA	UK		
		Ch 4 Meta-model (inc. element descriptions)	UK - SWE /end '13				
		Glossary of Terms	UK				




NATO IST130



Ratified STANDARDS

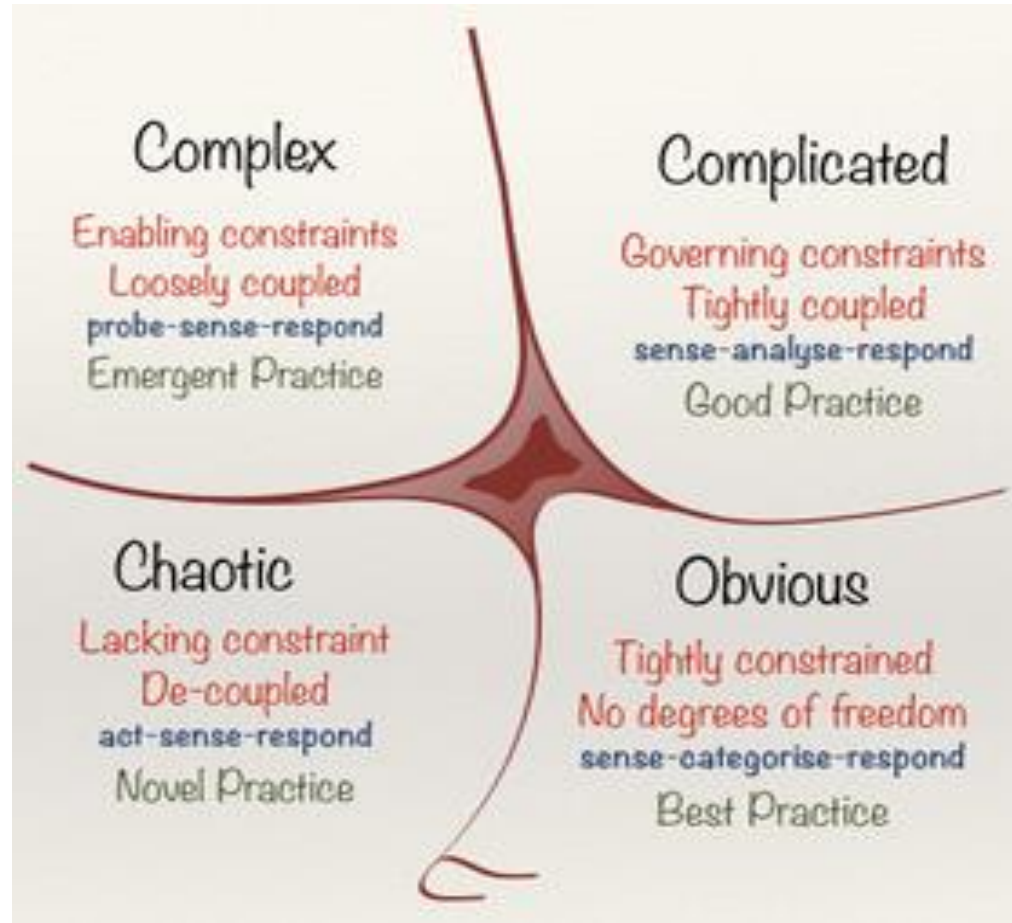


Simple and complex

Understanding
How to apply
meta model

Implementation

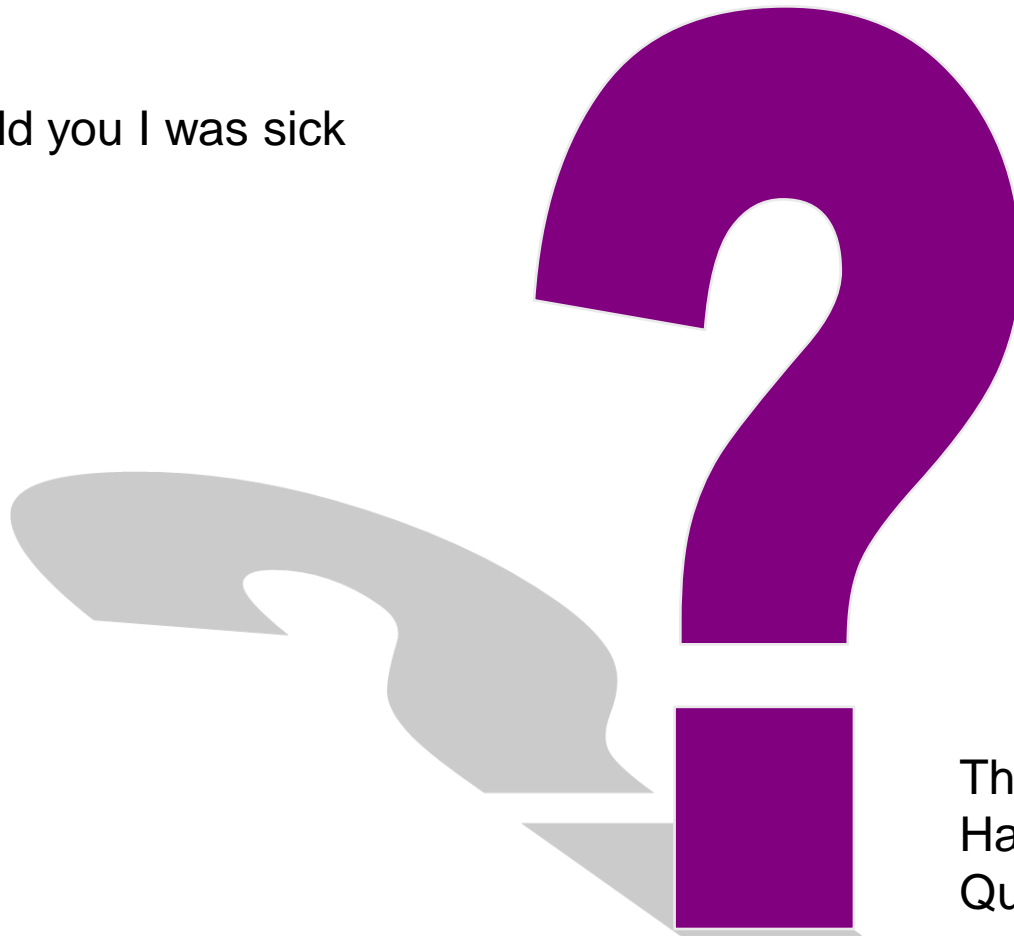
- ISO
- Training



Re-writing the
meta model

Re-arranging
NAF/MODAF
documentation

I told you I was sick



The reports of my death
Have been greatly exaggerated.
Quote by Mark Twain