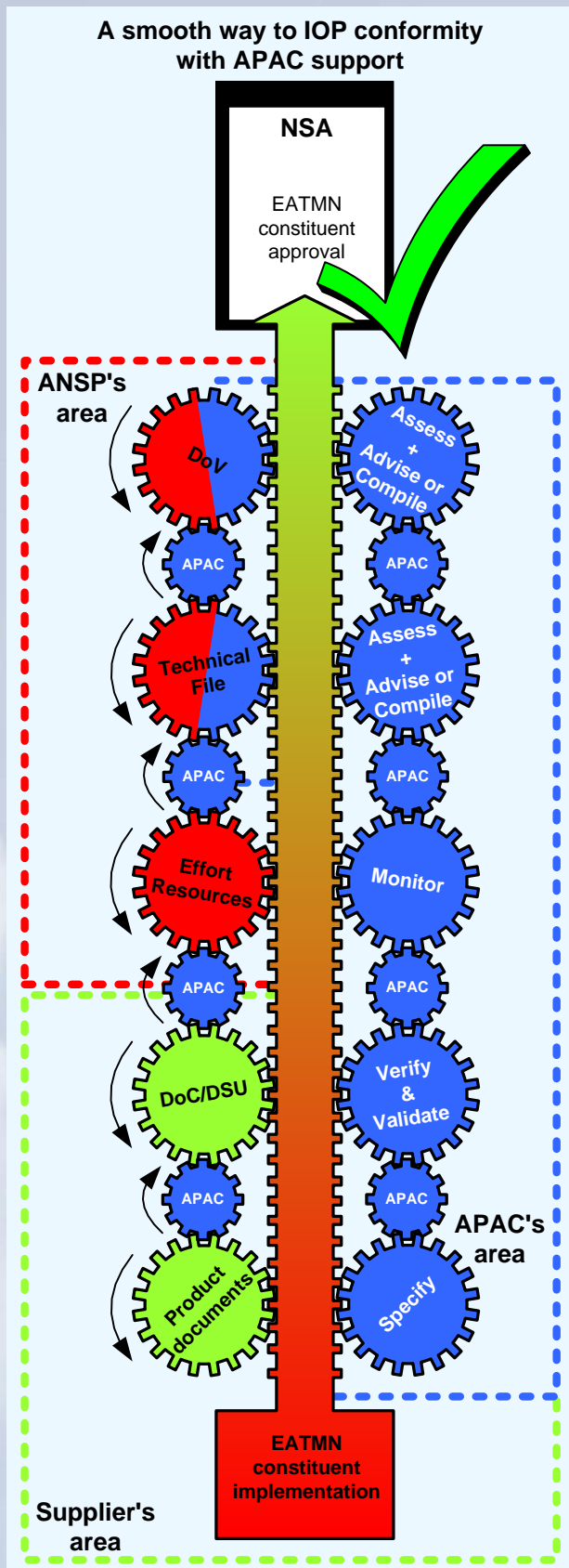


# APAC's IOP Service

EATMN implementation in compliance with Regulations  
(EC) No. 552/2004 and (EC) No. 1070/2009



## APAC's IOP SUPPORT

**General:** Training

**Supplier:** Development/review of the DoC/DSU and Technical File related documentation

**Service Provider:**

- Review of suppliers' DoC, DSU, TF documents
- Support for or development of the DoV, TF

**Regulator (e.g. NSA):**

- Conformity assessment of the DoV and TF submitted

## APAC is a Qualified Entity

in accordance with Art. 3 Regulation (EC) No. 550/2004 as amended by Regulation (EC) No. 1070/2009.

As a consequence, APAC's SES related conformity assessment results can be used as evidence without further verification by the Regulator.

## APAC COMPETENCE

20 years of APAC services dedicated to ATM

APAC has sound IOP related expertise and experience in:

### Services

- Air Space Management (ASM)
- Air Traffic Services (ATS)
- Aeronautical Information Service (AIS)

### Regulative framework

- SES
- ICAO

### Technical domains

- FDPS
- SDPS (e.g. ARTAS)
- RDD/HMI
- COM - G/G & A/G (e.g. voice communication, CPDLC)
- AIS
- MET
- ....

and successfully supported

- Industry/suppliers
- EUROCONTROL
- ATS providers (ANSPs)
- AIS providers
- CNS providers
- National Supervisory Authorities (NSAs)
- FABs
- ....

# APAC's IOP Service

## INTEROPERABILITY

In general, interoperability is a property of a product or system, whose interfaces are well-defined, to work with other systems, present or future, without additional changes, as a basis for the operational integration of services. On a high level, this property allows ANSPs to increase the integration between ATM systems and to efficiently introduce new concepts in ATM technologies and operations. Interoperability is a key constraint of the Single European Sky that aims to improve overall performance and to harmonise Air Traffic Management in EU member states as well as in other cooperating states.

## APPLICABLE REGULATIONS

- I. **Regulation (EC) No. 552/2004** of the European Parliament and of the Council of 10 March 2004 on the interoperability of the European Air Traffic Management Network (the IOP Regulation),
- II. **Regulation (EC) No. 1070/2009** of the European Parliament and of the Council of 21 October 2009 amending Regulations (EC) No. 549/2004, (EC) No. 550/2004, (EC) No. 551/2004 and (EC) No. 552/2004 in order to improve the performance and sustainability of the European aviation system.

## ERs, IRs and CSs

The Regulation (EC) No. 552/2004 defines the Essential Requirements (ERs) and provides the legal basis for adopting Implementing Rules (IRs) and Community Specifications (CSs). Implementing Rules are defined in separate European regulations and determine any specific requirements that complement or refine the Essential Requirements. Compliance with IRs also confirms compliance with the ERs. Community Specifications are published in the Official Journal of the European Union and define means of compliance with the ERs and/or relevant IRs. Fulfilment of the requirements of the relevant Community Specifications therefore presumes conformity with the ERs and/or relevant IRs.

## HOW TO ACHIEVE IOP COMPLIANCE?

An ANSP shall demonstrate compliance by submitting the EC Declaration of Verification accompanied by a Technical File and the manufacturer's Declaration of Suitability for Use / Declaration of Conformity. The ANSPs are responsible for ensuring the correctness and completeness of the documentation submitted to the NSA.

Supplier	Service Provider	Regulator (NSA)
	EATMN representation of the system	Review/Approval
	Establishment of regulative baseline	Review/Approval
	Specification to meet ERs and IRs	
	Establishment of Means of Compliance Baseline (MoC)	Review/Approval
Design/Implementation to meet specification and MoC		
Verification against MoC (incl. evidence)		
Production/delivery of DSU/DoC	Review/Acceptance of DSU/DoC	
	Verification and validation of system	
	Compilation of evidence into DoV & TF	
	Submission of DoV & TF	Review/Approval

## APAC's SUPPORT HELPS YOU TO AVOID THIS SITUATION!

