

Centralized database – EAD Model

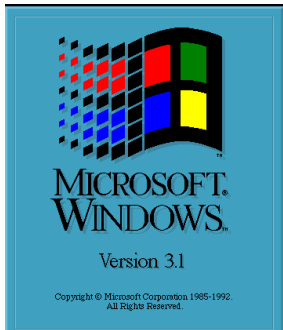
GroupEAD Scope and Approach,
Mexico Sep-19, Rev. 01.00

Content

- Background
- European AIS Database (EAD)
- EAD tools and workflow
- Main EAD applications and performance
- EAD and GroupEAD

BACKGROUND

What happened in the 90s?



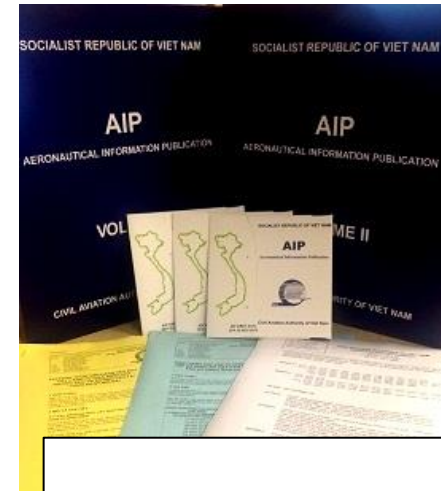
And... In aeronautical information?

- PANS-NOTAM – Approved in 1947



- Annex 15 -
Adopted in 1953

- IAIP – Integrated Aeronautical information package

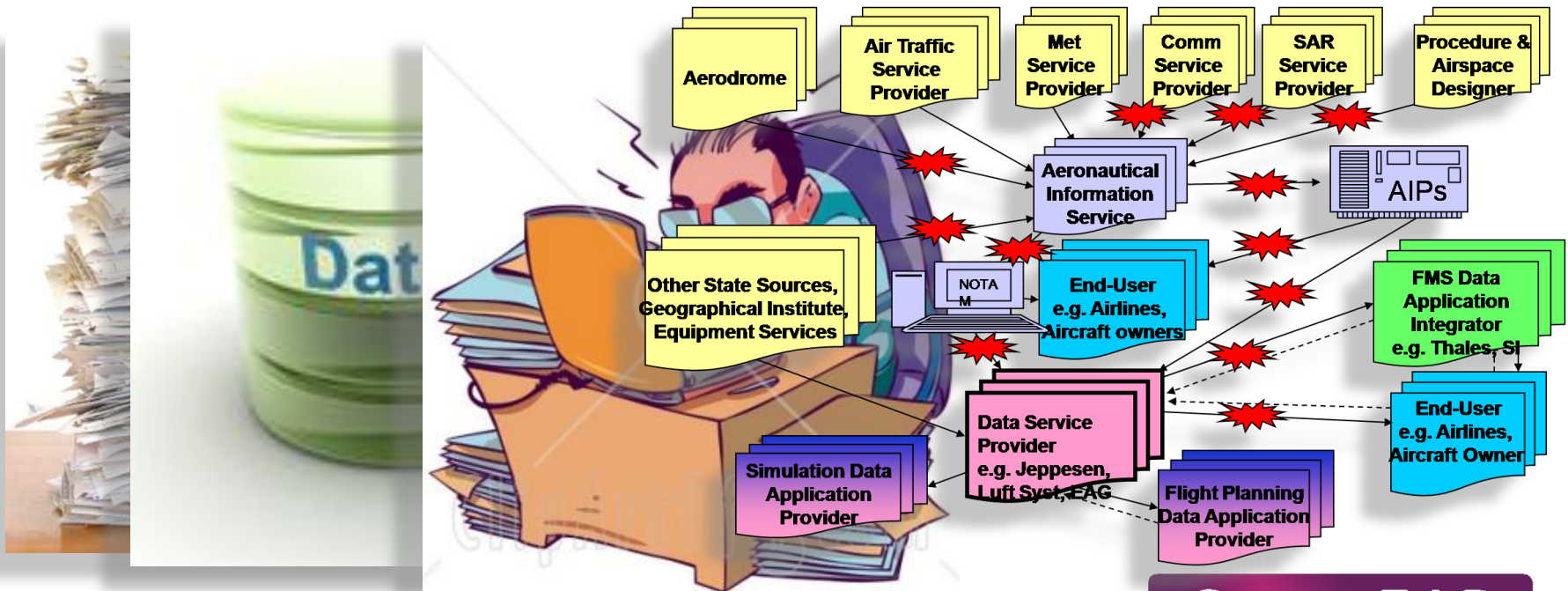


Q) EGGT/QRMCA/IV/BO W /000/022/5253N00124E001
A) EGGT B) 1105231315 C) 1108202359
E) AIR DEFENCE RADAR SITE ACTIVE CENTRED ON 5253N 00124E
(TRIMINGHAM). PILOTS OF ACFT ARE REQUESTED TO AVOID
OVERFLIGHT OF THE
DATUM BY 1NM. CTC 01692 633352
11-03-0379/AS 3
F) SFC G) 2200FT AMSL

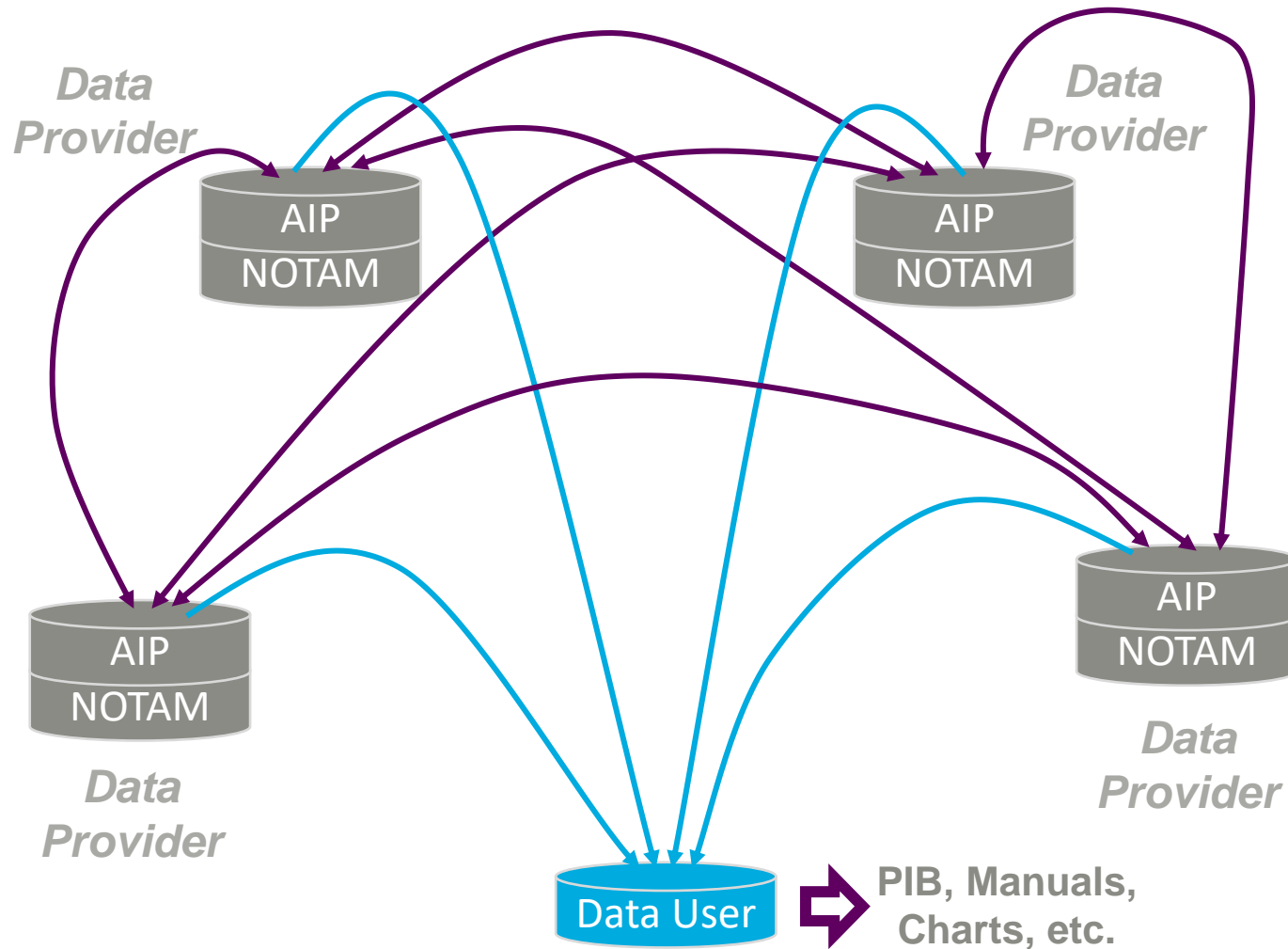
H1908/11 NOTAMN

AIS | How was the service?

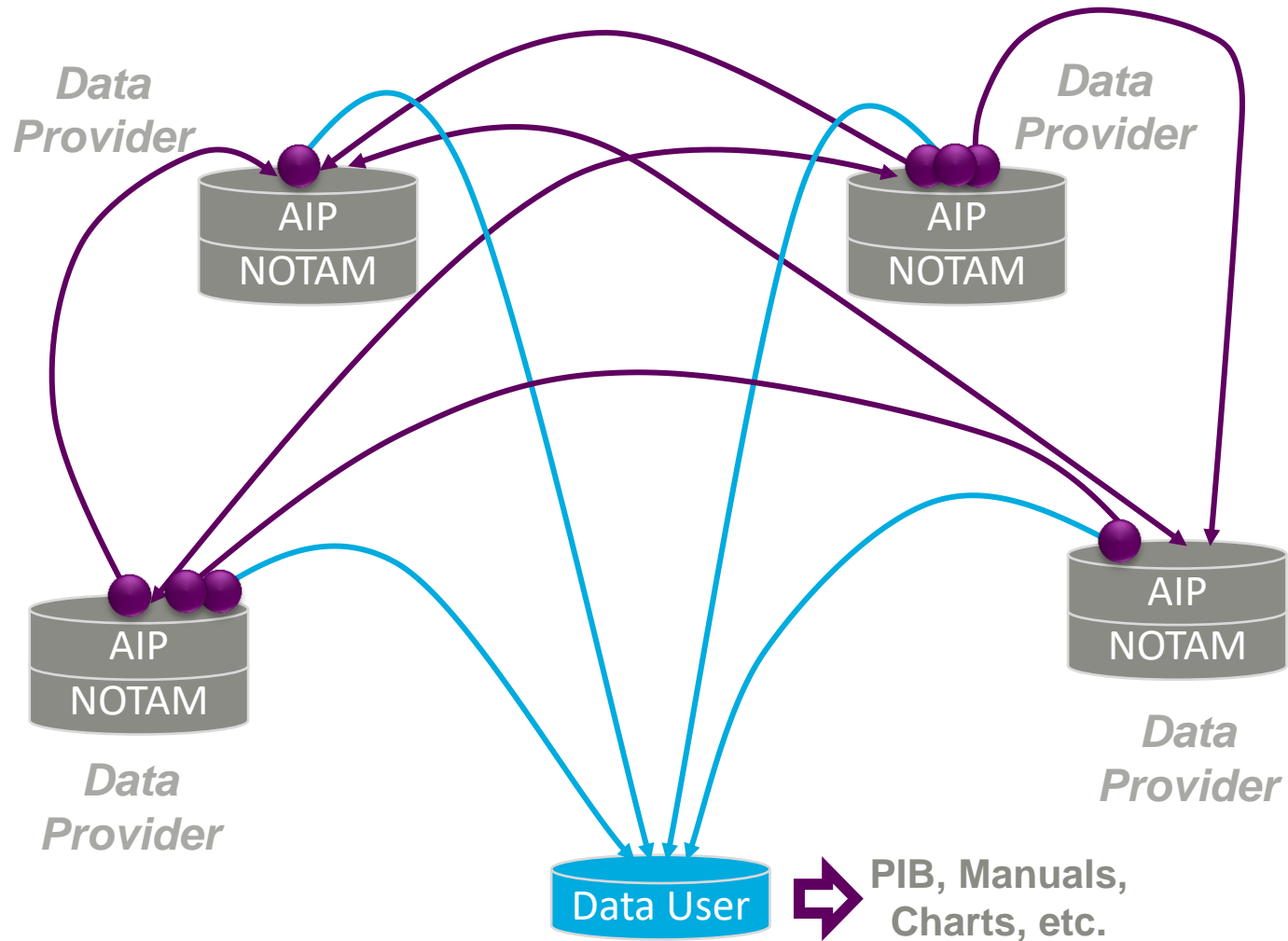
- Paper based
- Isolated systems
- Manually introduced data
- Complex process chain



AIS | Complex exchange of information



AIS | Complex exchange of information



EUROPEAN AIS DATABASE (EAD)

Need to improve | EAD Creation

In 1997 the committee agreed on the EAD implementation



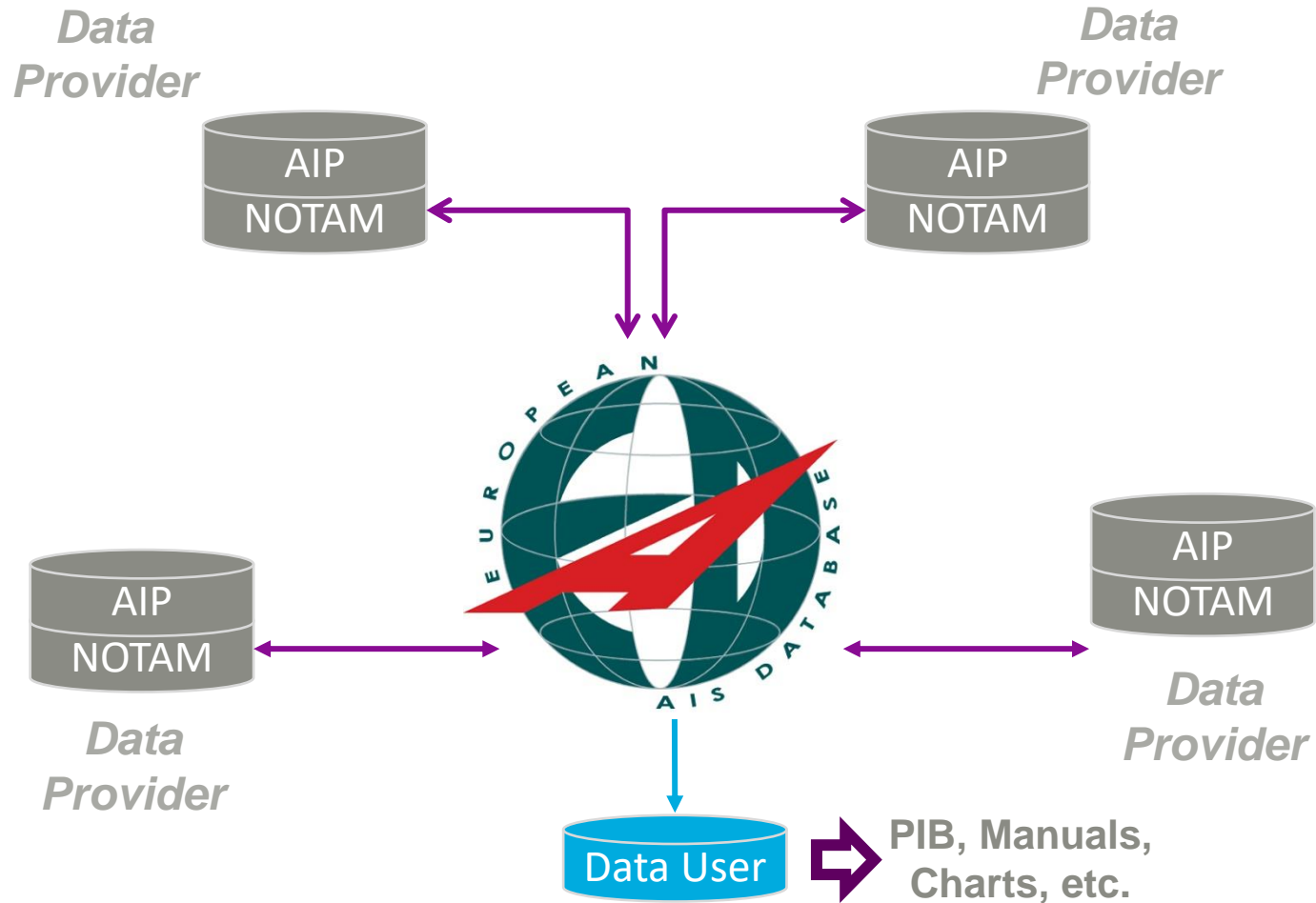
- Single and centralized repository of aeronautical information
- Processing, validation and storage of data
- Managed by GroupEAD.

EAD | Objectives

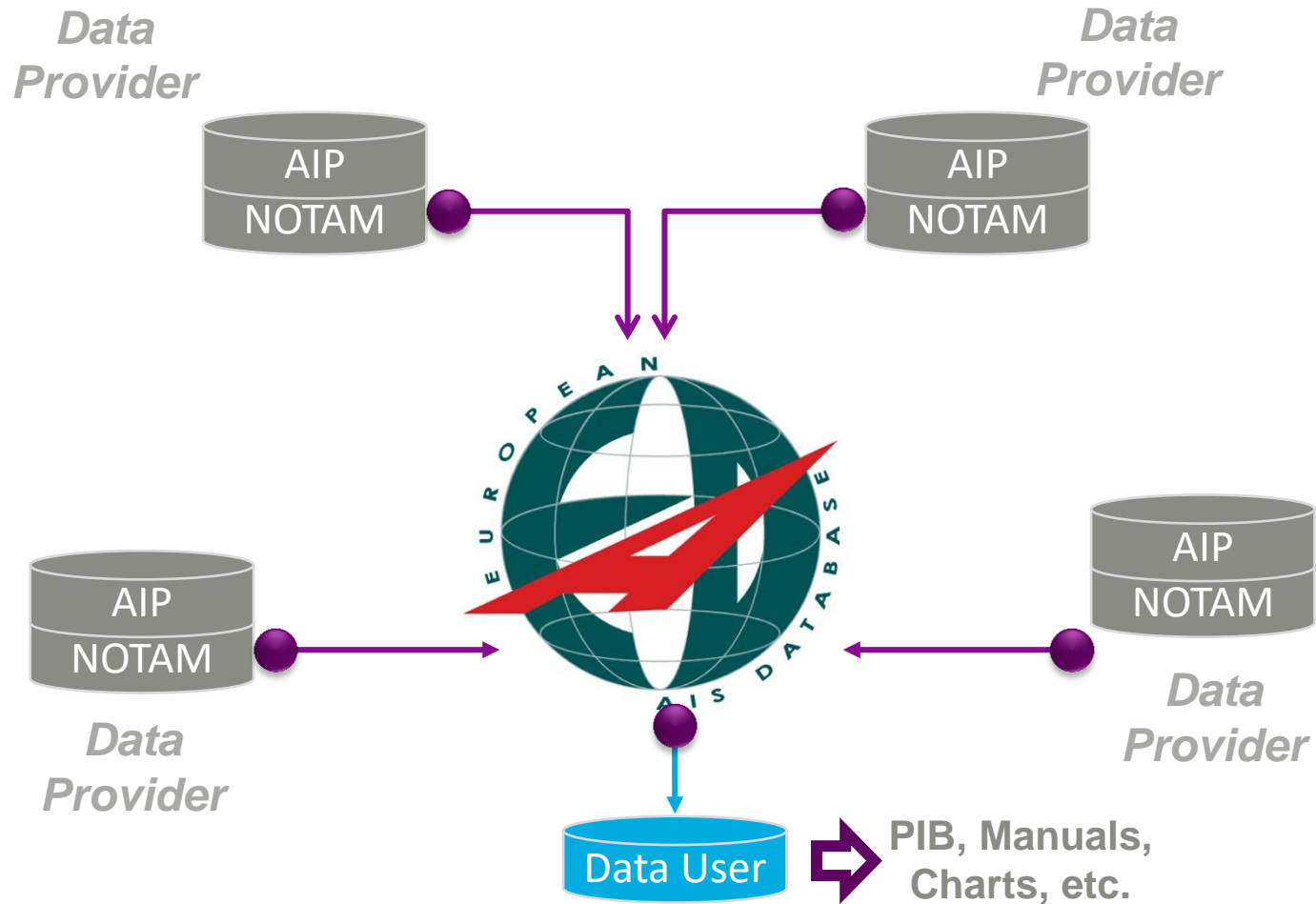
- Improve the operational AIS structure
- Support and facilitate the validated information workflow
- Promote the AIXM
- Final objective:

An integrated system of validated static and dynamic data

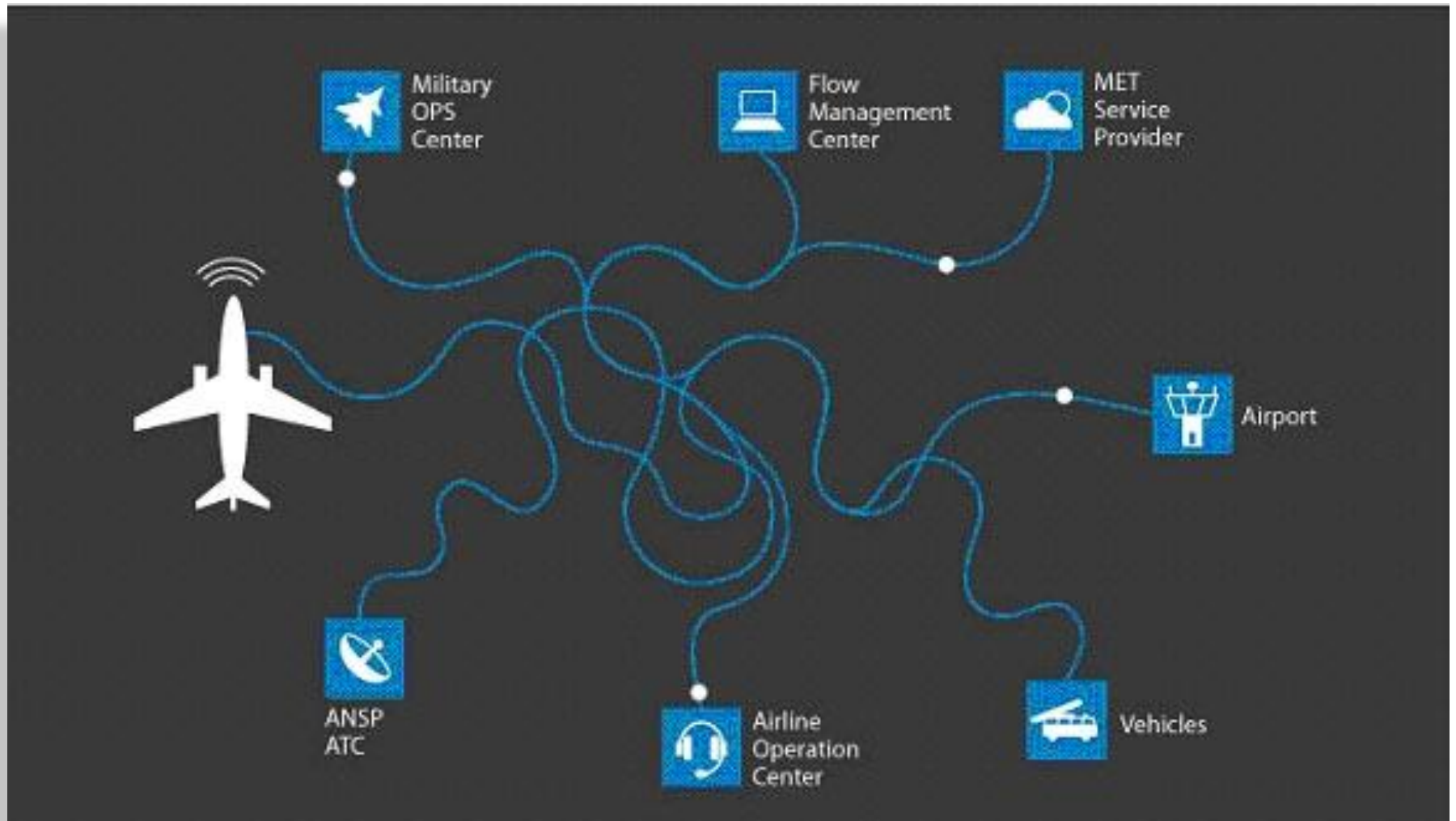
EAD | Centralized exchange of information



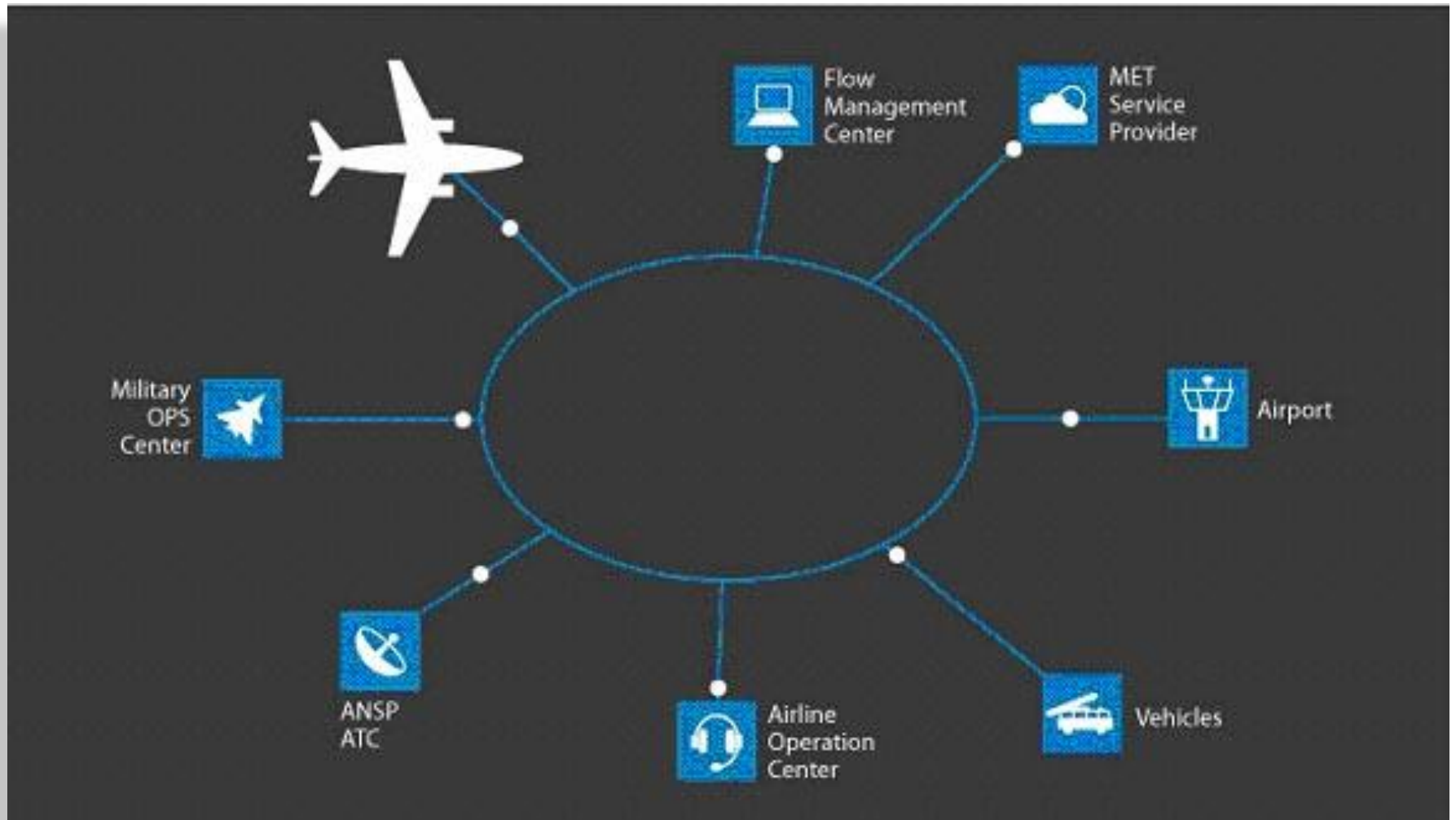
EAD | Centralized exchange of information



EAD | SWIM pioneer

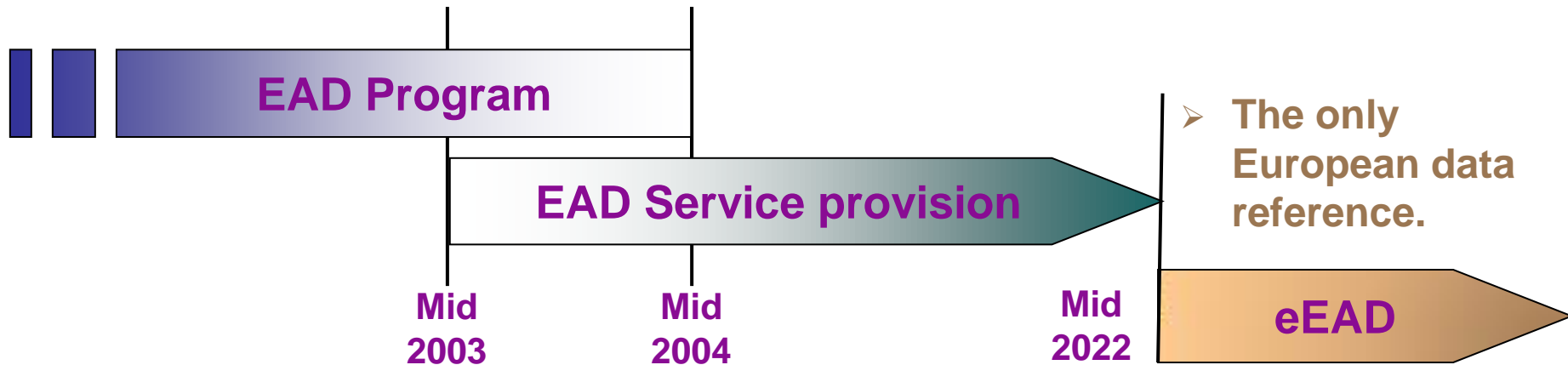


EAD | SWIM pioneer



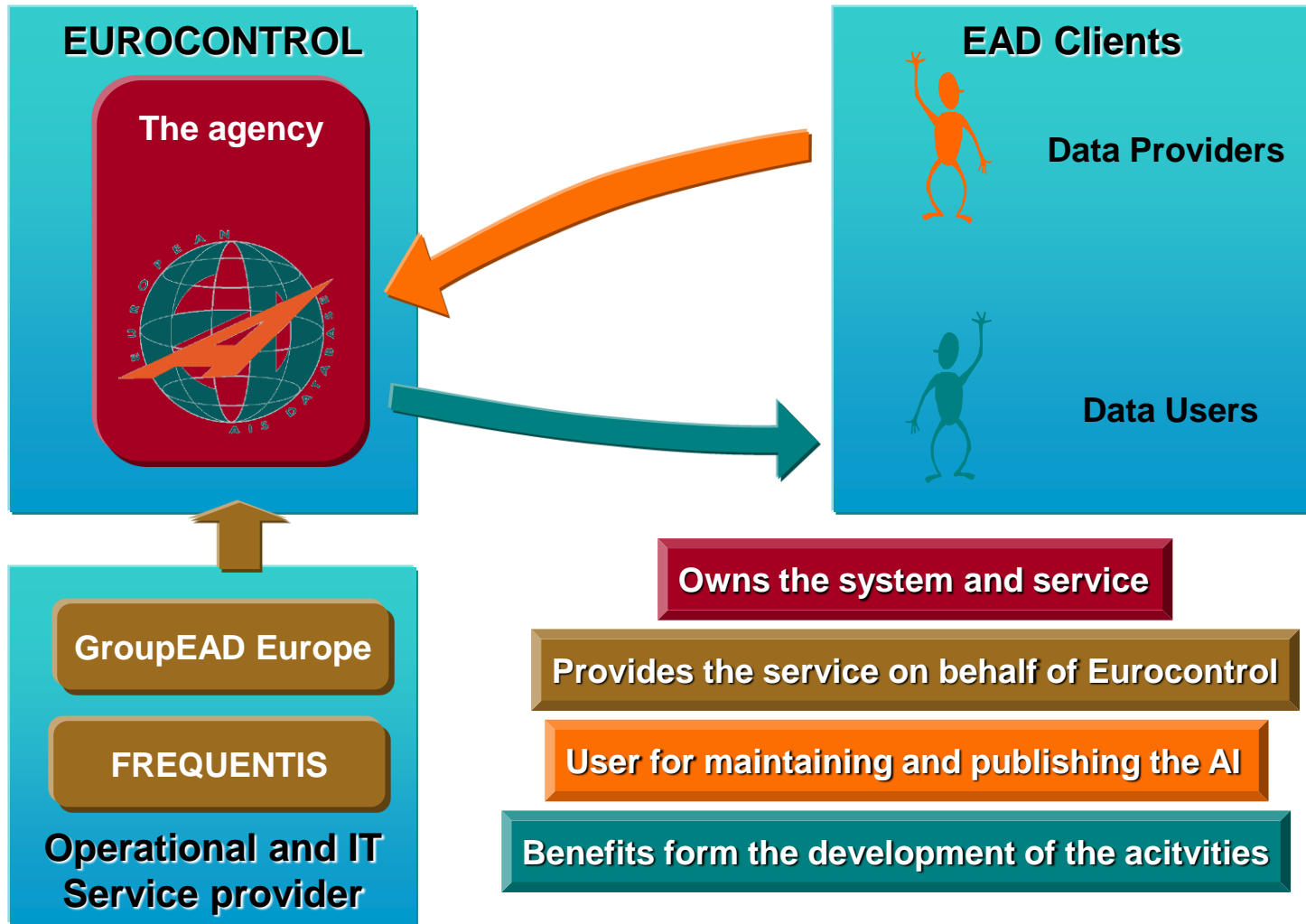
EAD | Evolution

- Implementation
- Migration support



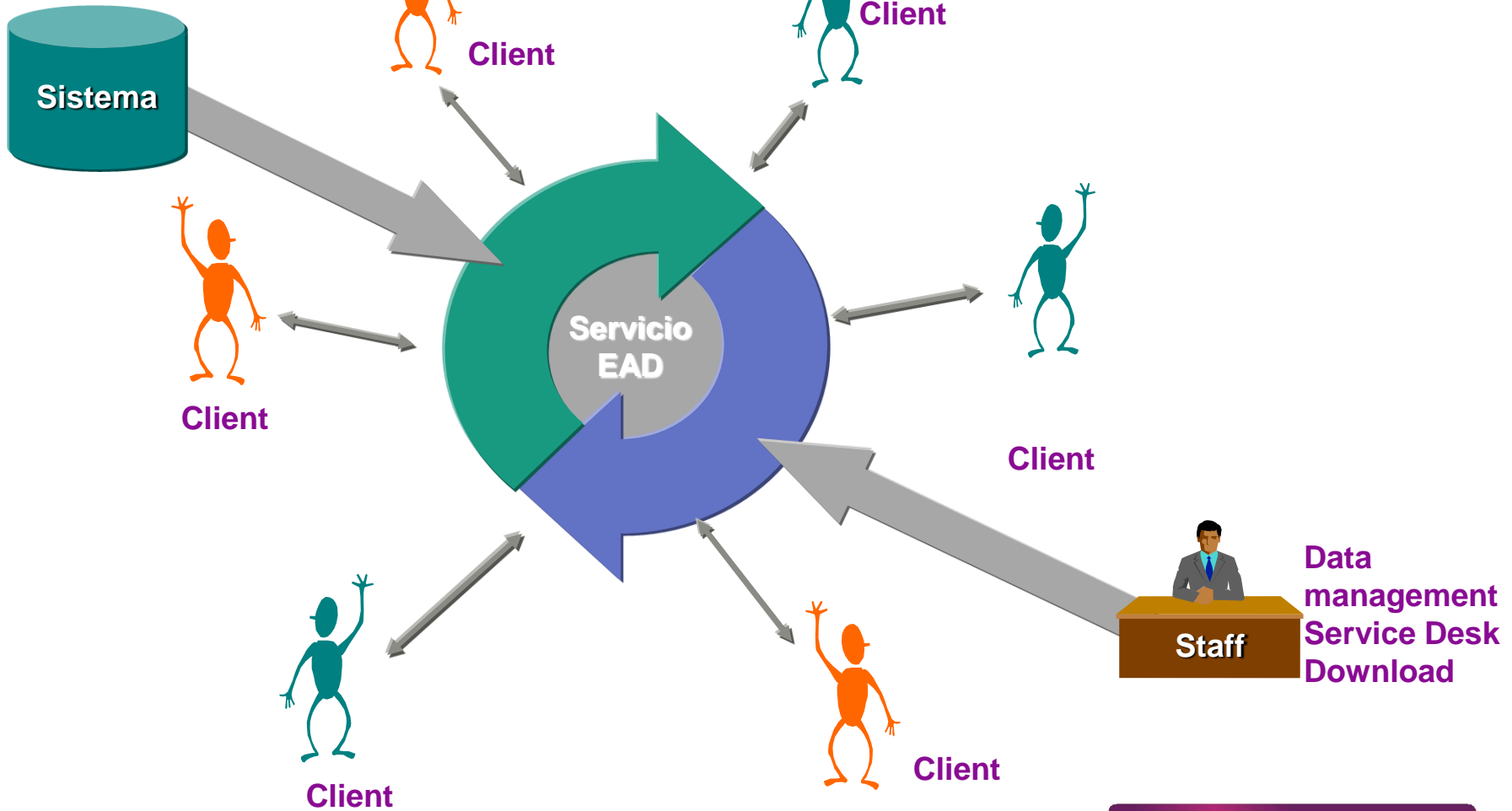
- Monitor the service
- Manage innovation
- User communication
- Promote migration

EAD | Roles and tasks



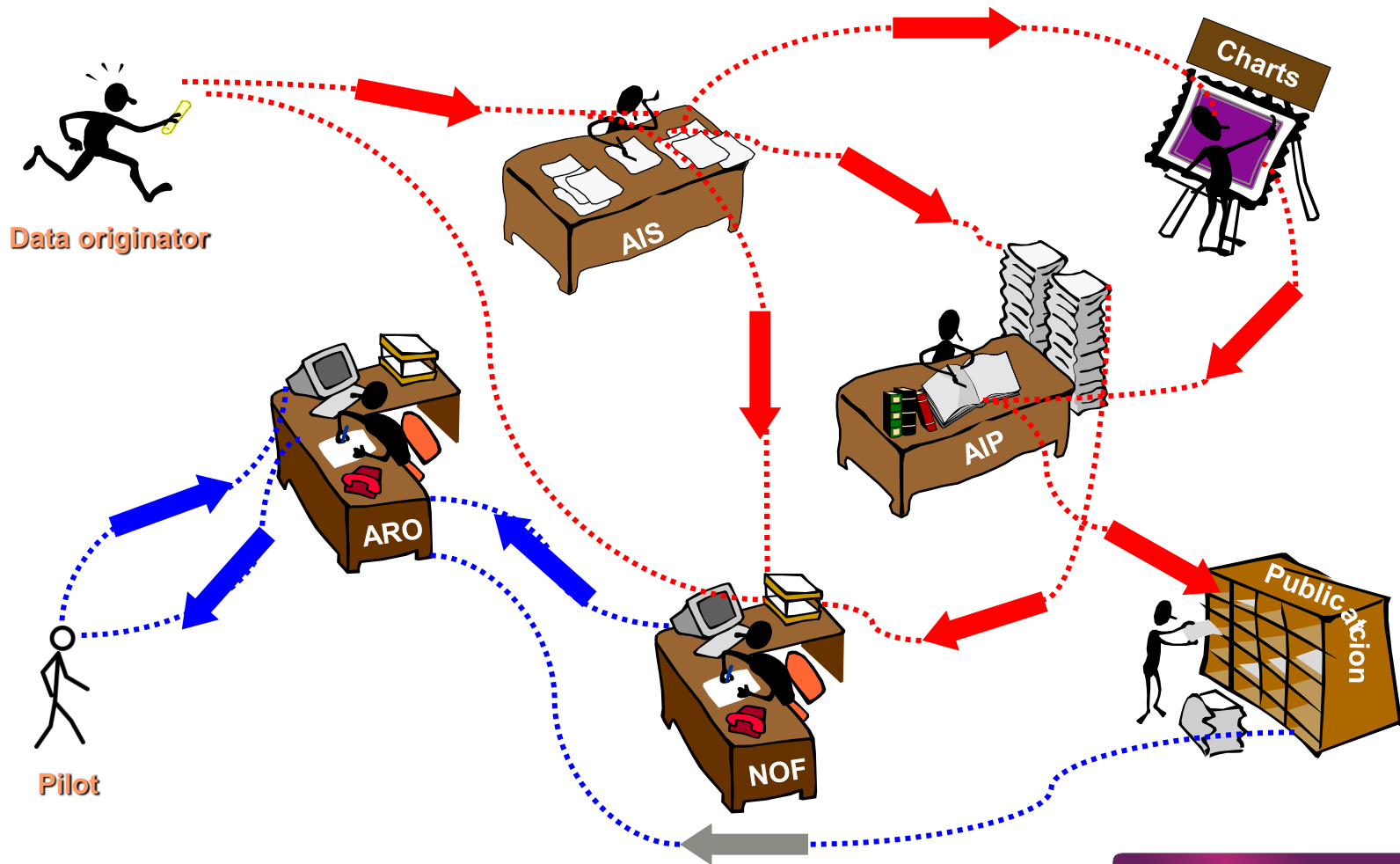
EAD | The service

PIB
Reports
AIP search

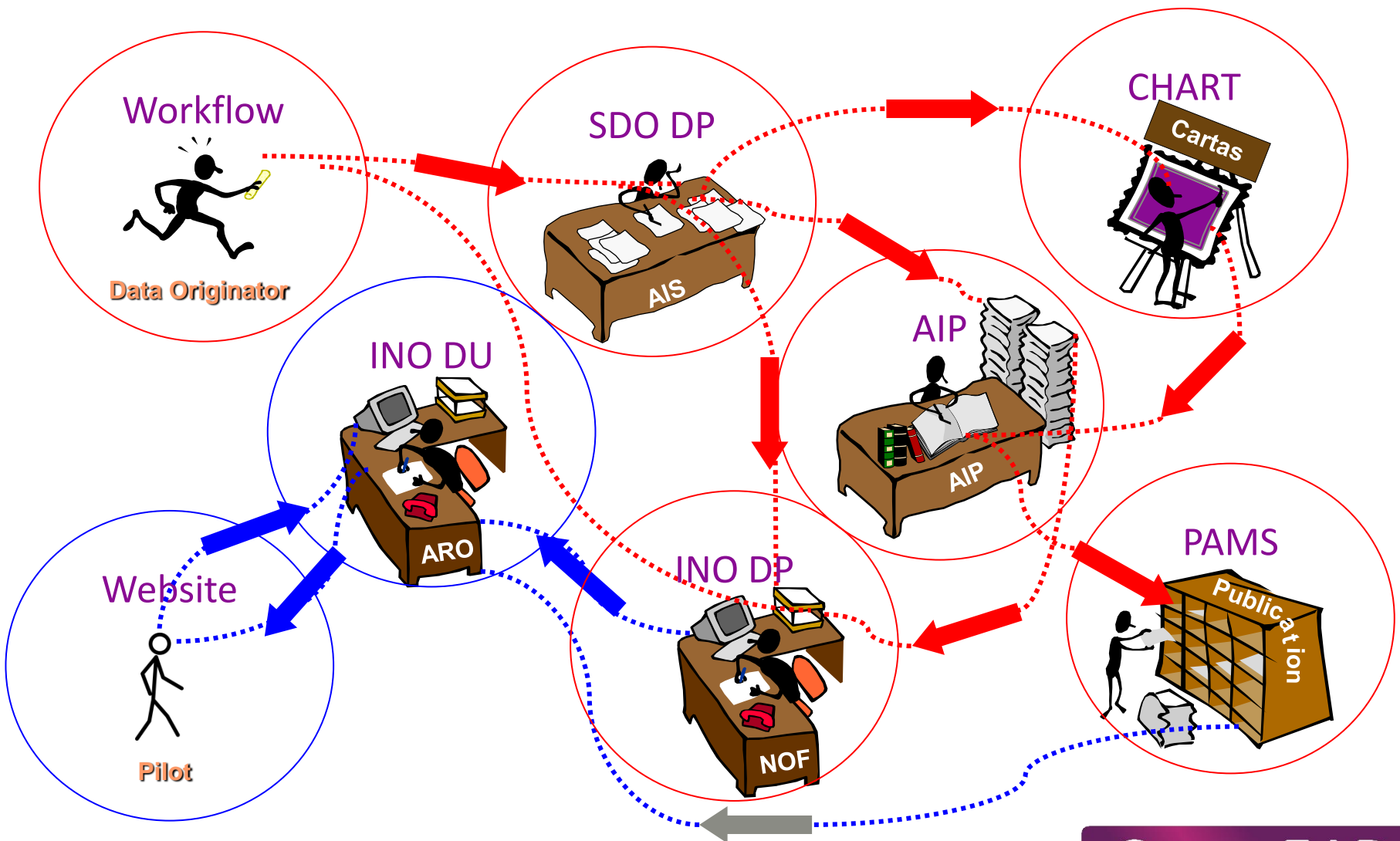


EAD TOOLS AND WORKFLOW

AIS | Possible workflow



EAD | Tools



MAIN EAD APPLICATIONS AND PERFORMANCE

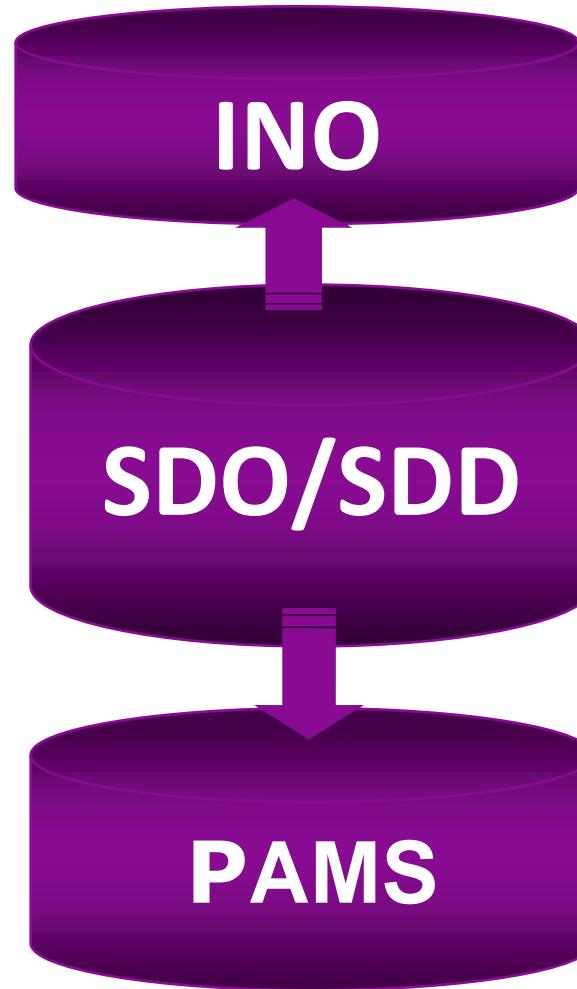
EAD | Applications

Data Providers

NOTAM creation

Data input

PAMS input



Data Users

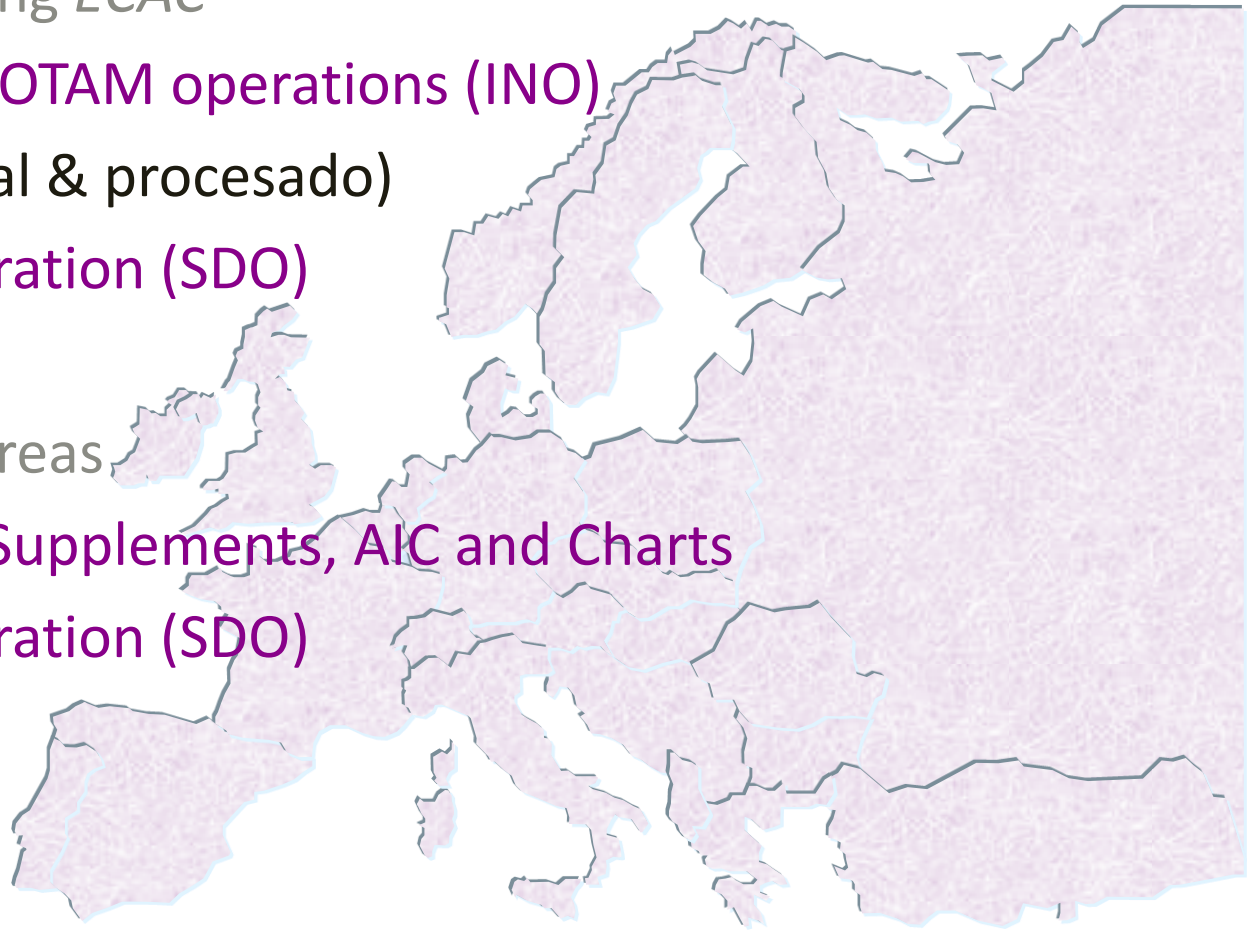
NOTAM requests
PIBs, FPL

Data retrieval

AIP/charts search

EAD | Data coverage

- World data including *ECAC*
 - International NOTAM operations (INO)
 - WW (original & procesado)
 - Static data operation (SDO)
 - MDS
- ECAC and ECAC+ areas
 - AIP, Amdt and Supplements, AIC and Charts
 - Static data operation (SDO)
 - FDS



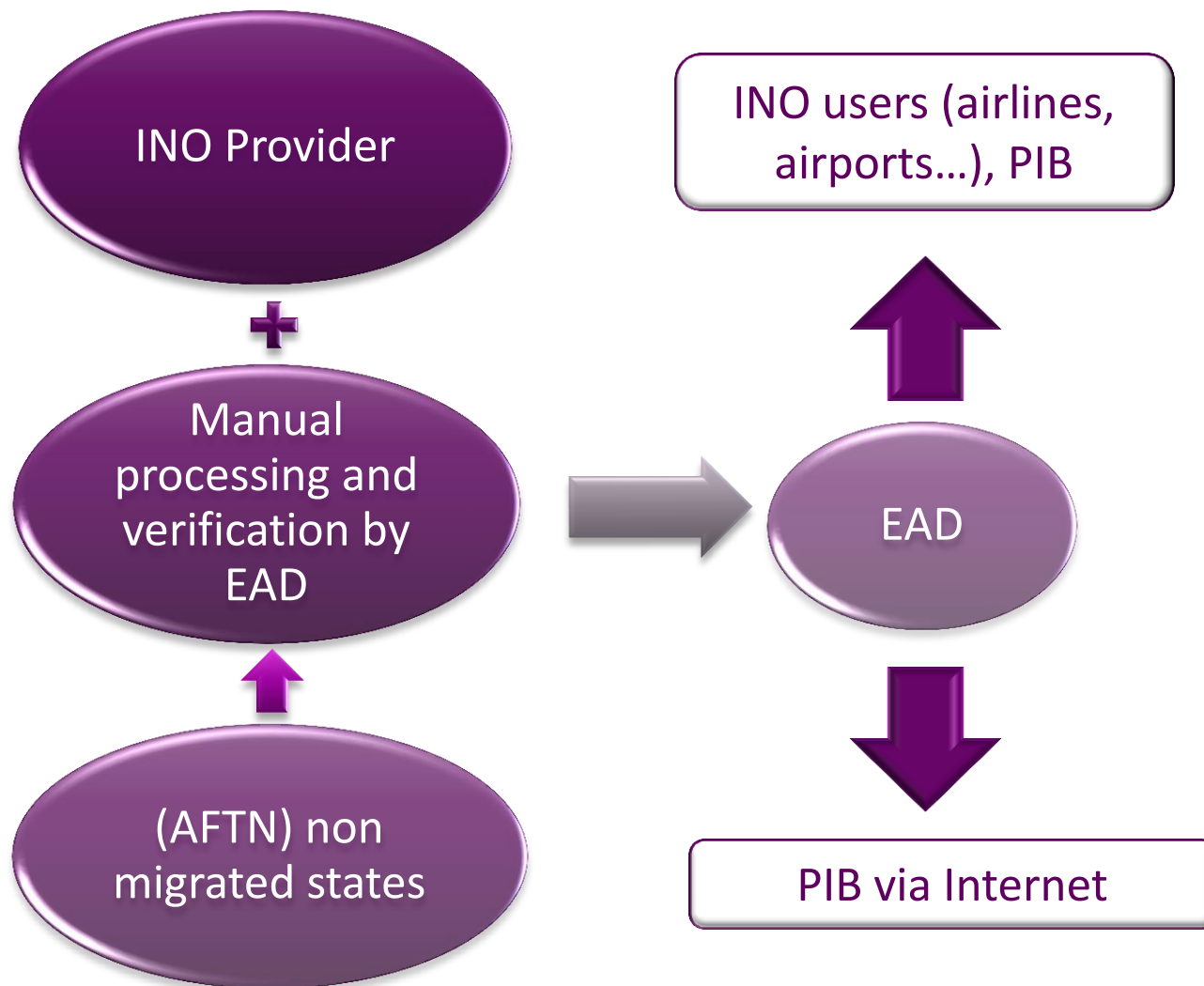
EAD | International NOTAM Operations (INO)

- Facilitation and exchange of TAM messages
- Report, creation and report provision to users.

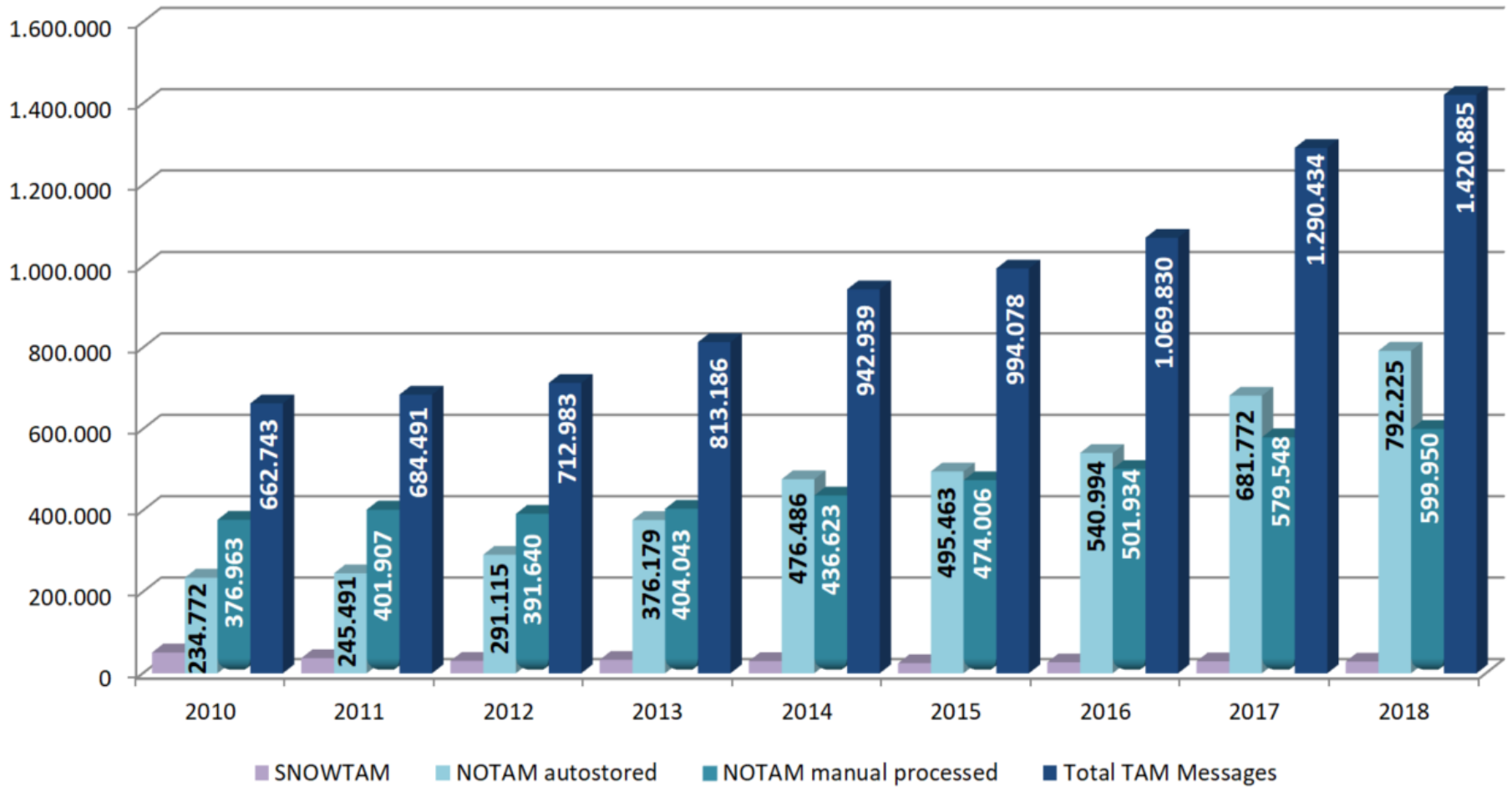
Responsibilities:

- Reception and processing:
 - NOTAM, SNOWTAM y ASHTAM vía AFTN
 - NOTAM Checklist (analysis)
 - FTM

EAD | Workflow (INO)

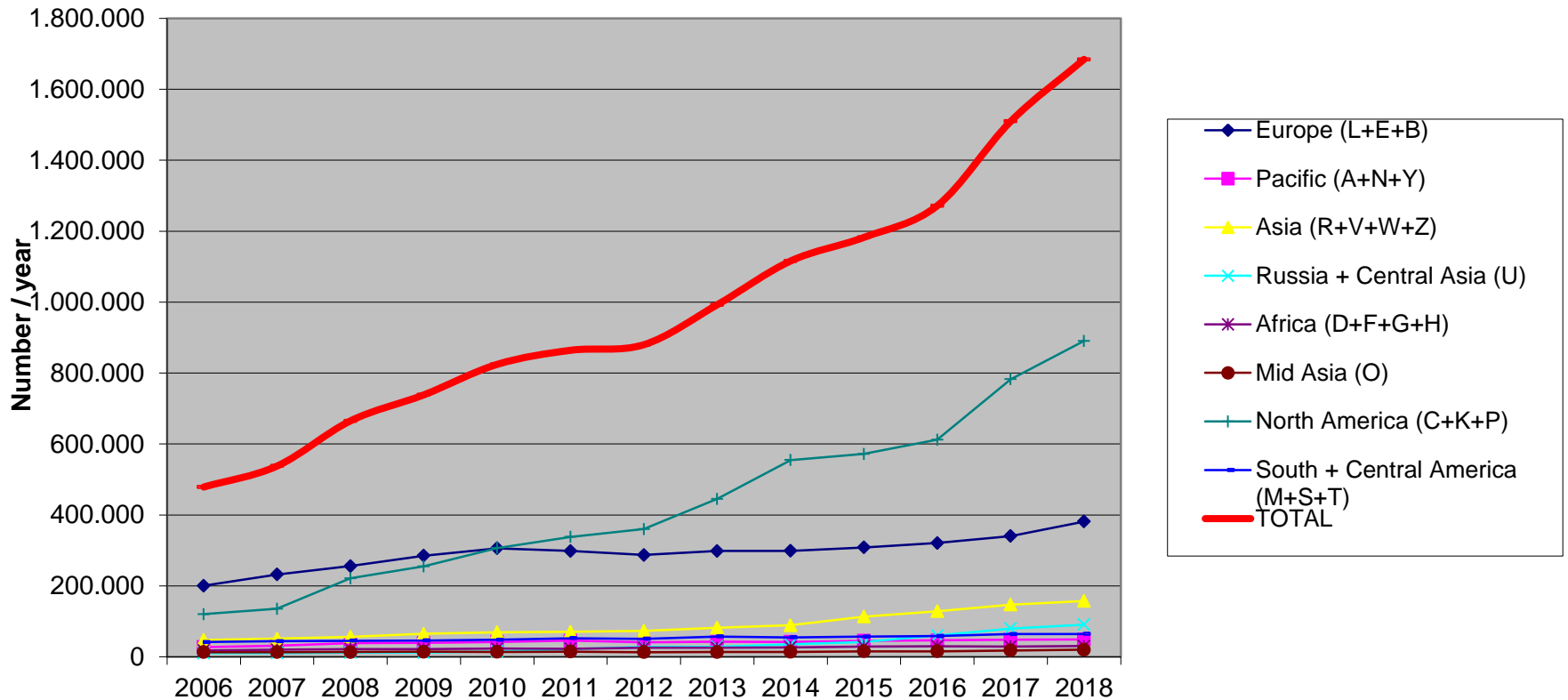


EAD & GroupEAD | INO Performance



EAD | Tendency NOTAM 2006-2018

(International) NOTAM Trends



EAD | Static Data Operations (SDO)

Migrated states

Scope

AIP data:

- ✓ **AERODROMES**
- ✓ **Obstacles**
- ✓ **Nav aids**
- ✓ **Airspaces**
- ✓ **Routes and Points**
- ✓ **SID, STAR and IAC**

Loaded by migrated countries staff

Rest of the world (WW)

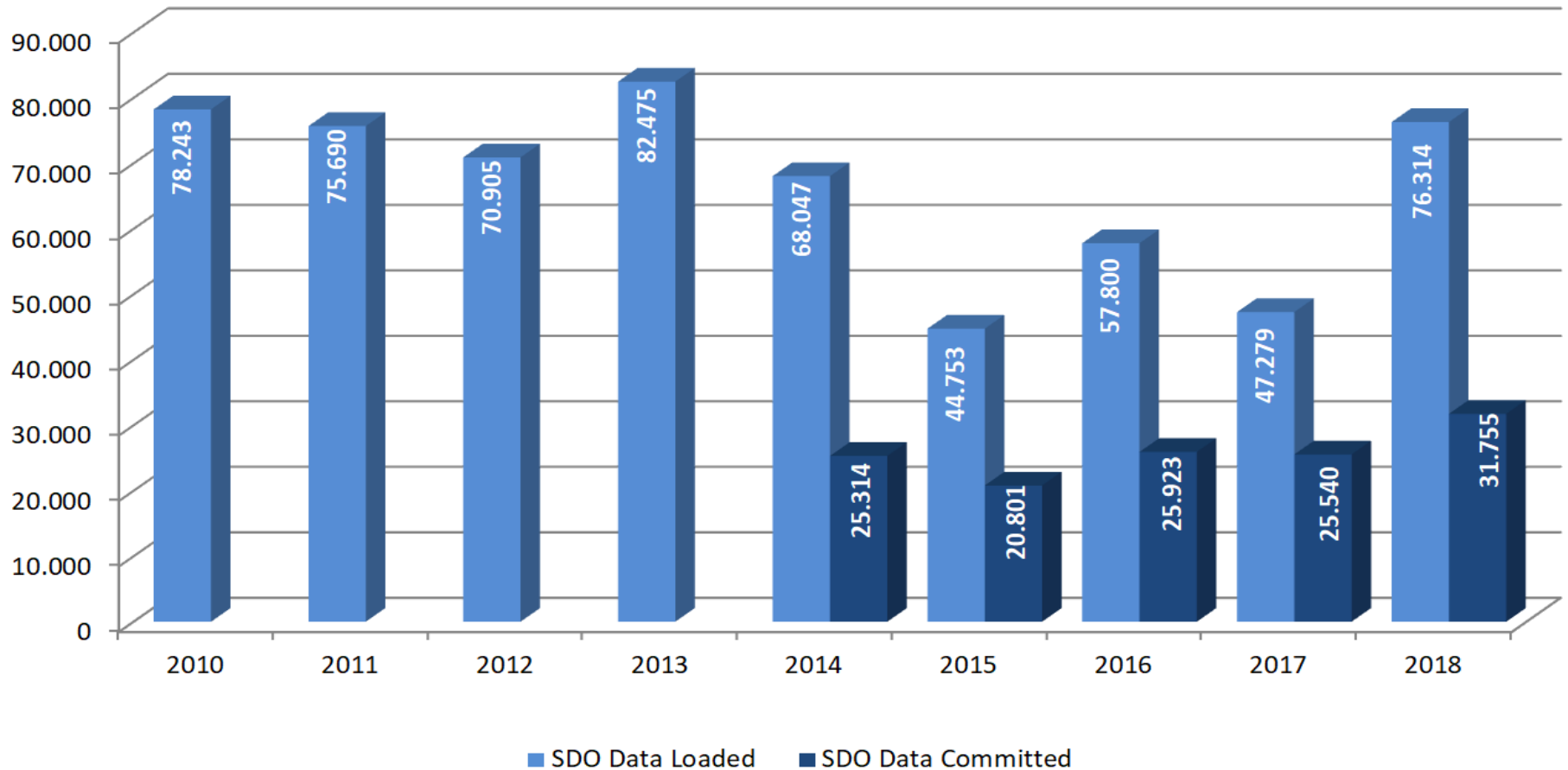
Scope

Selected attributes

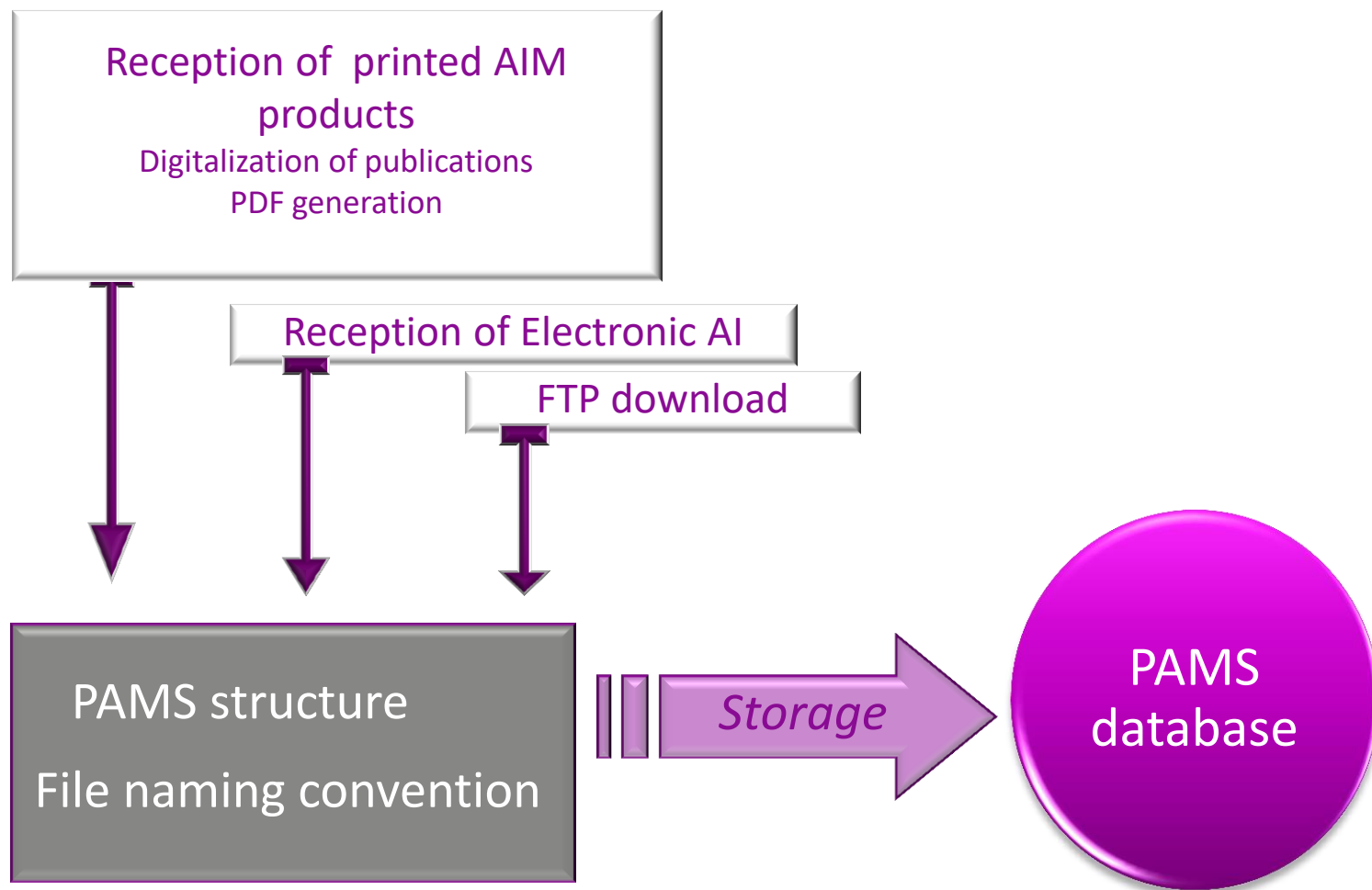
- ✓ **AERODROMES**
- ✓ **Nav aids, except ILS**
- ✓ **Airspaces**
- ✓ **Routes and Points**

Loaded by GroupEAD staff

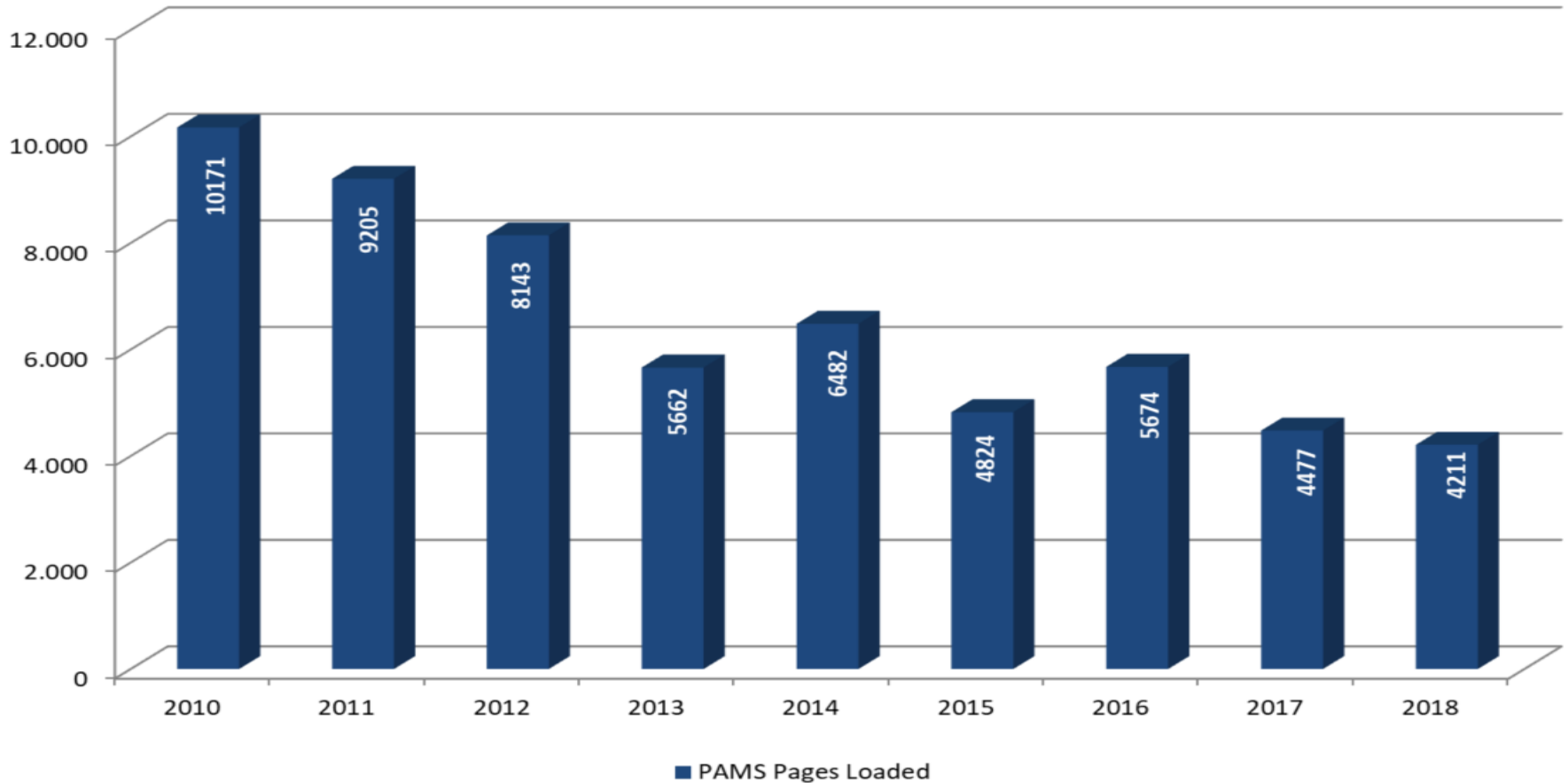
EAD & GroupEAD | SDO Performance



EAD | PAMS Workflow

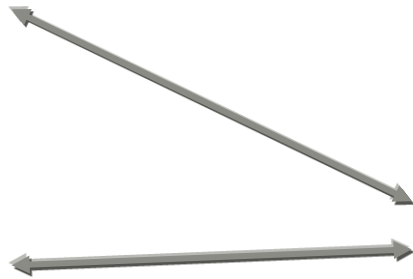


EAD & GroupEAD | PAMS Performance

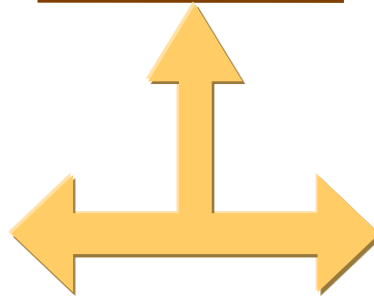


EAD | Service Desk

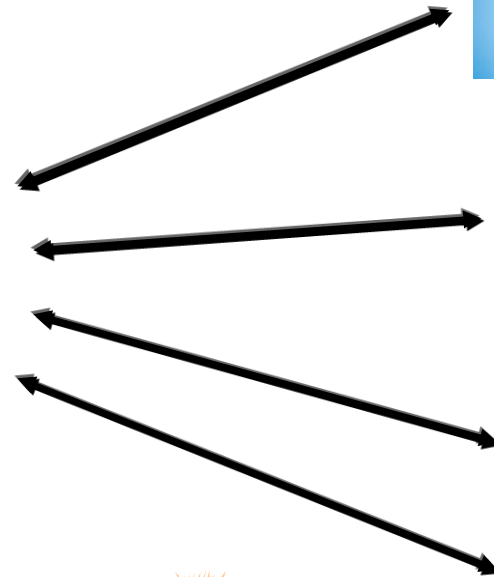
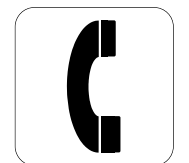
Who



When



How



Operational support
Service requests
Data support

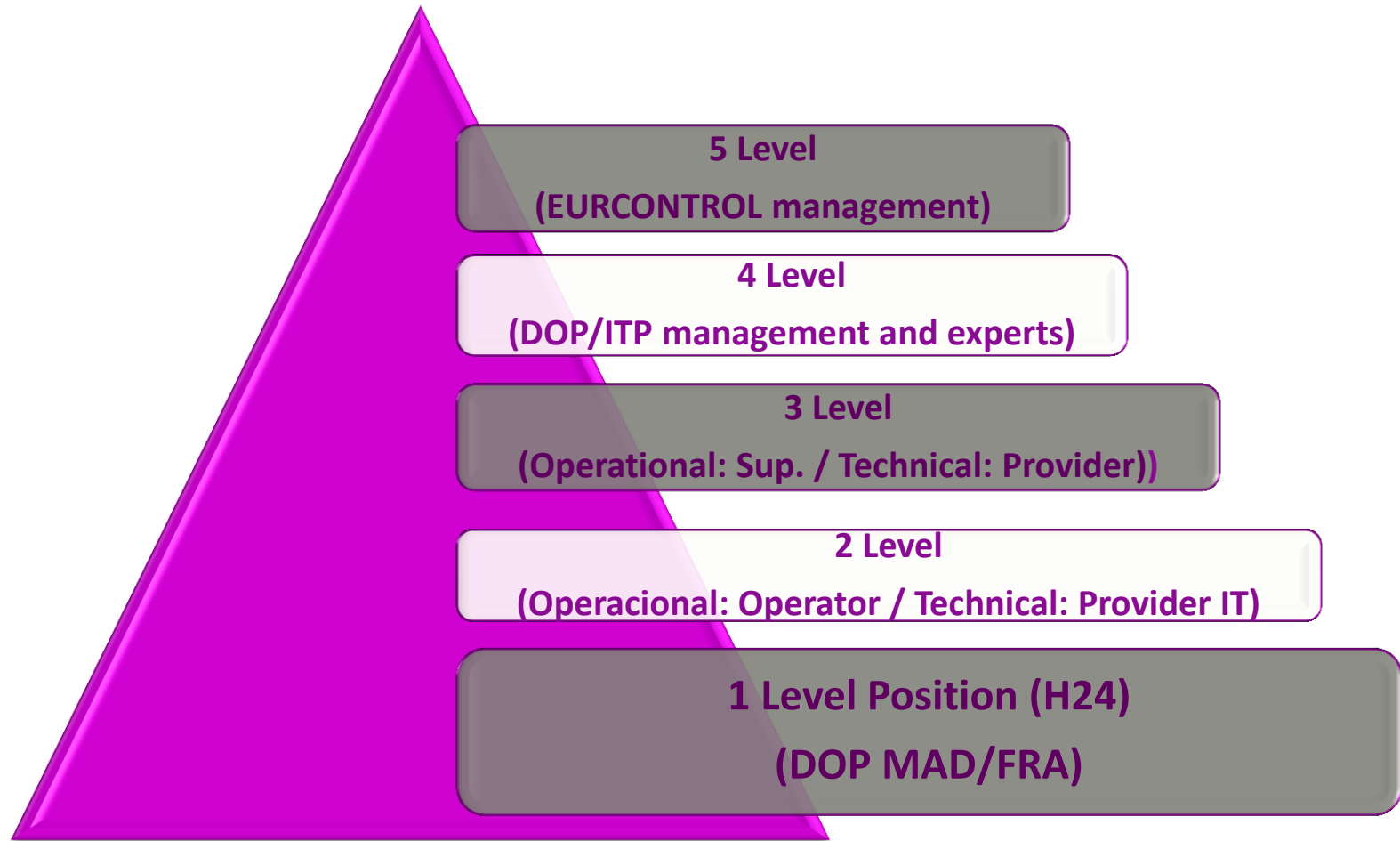
Why

Technical support

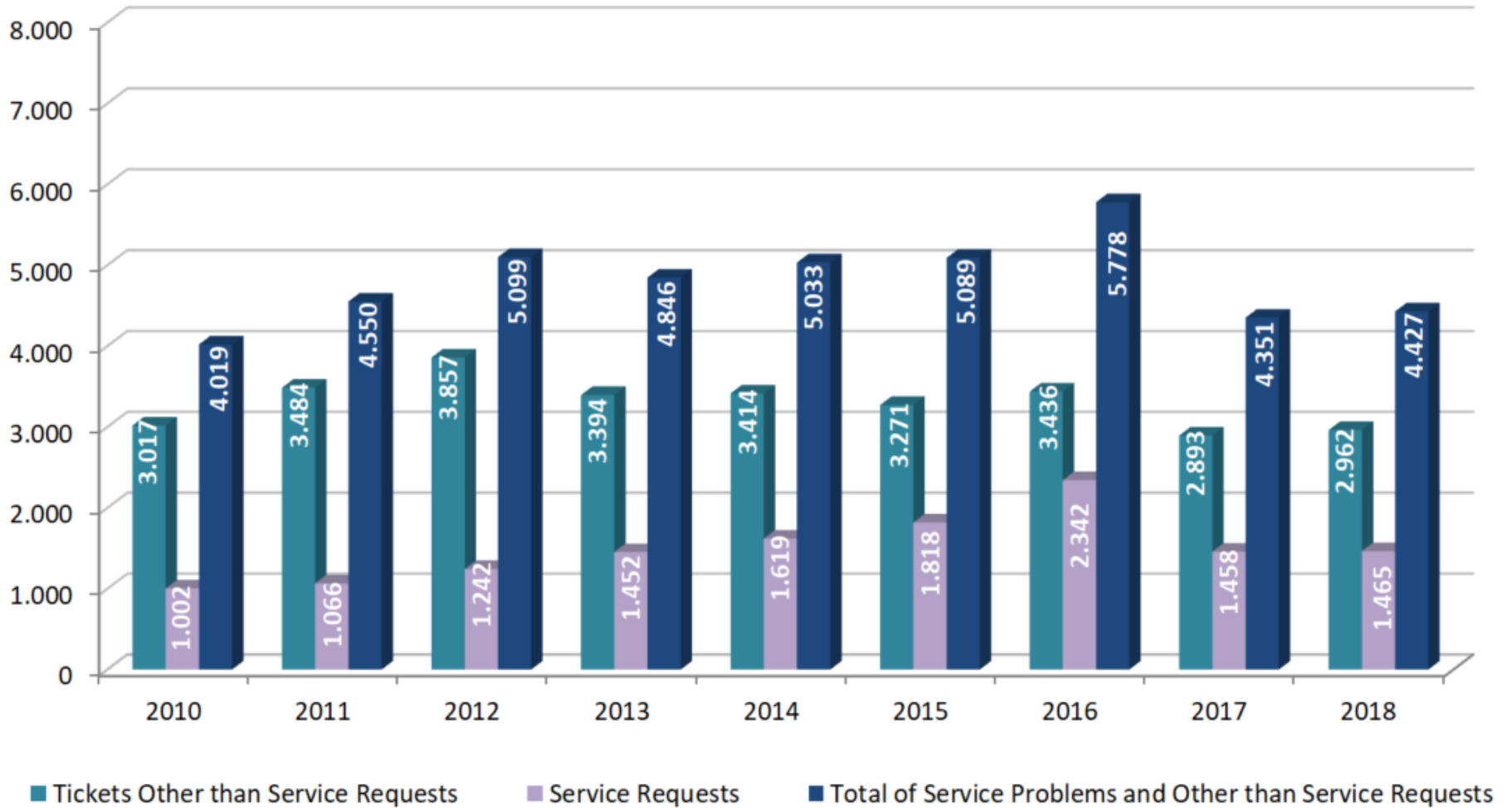
EAD | Service Desk

- Clients and service interface.
- Support request response
- Operational and technical problems resolution
- Service request management

EAD | Service Desk



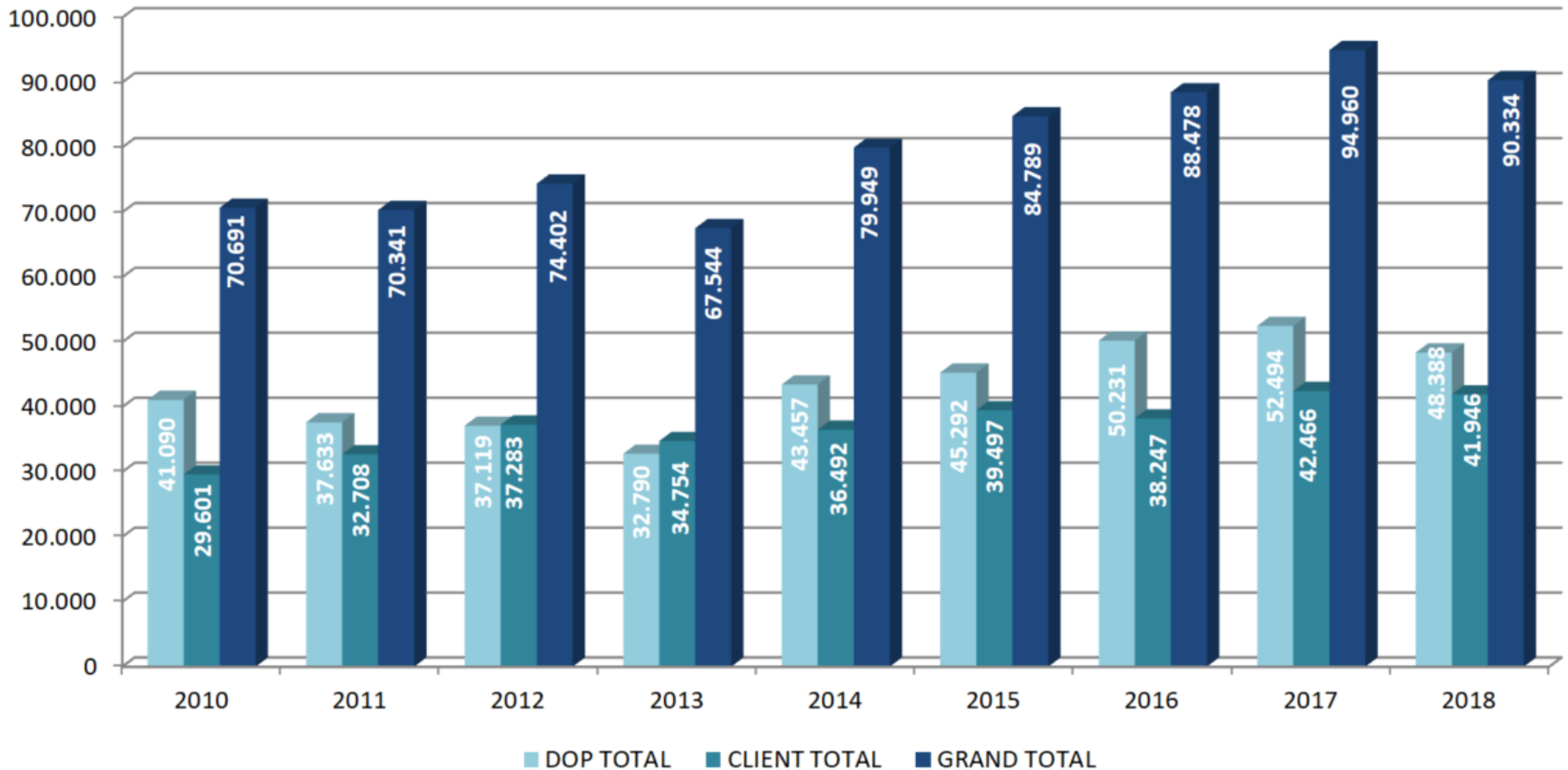
EAD & GroupEAD | Service Desk Performance



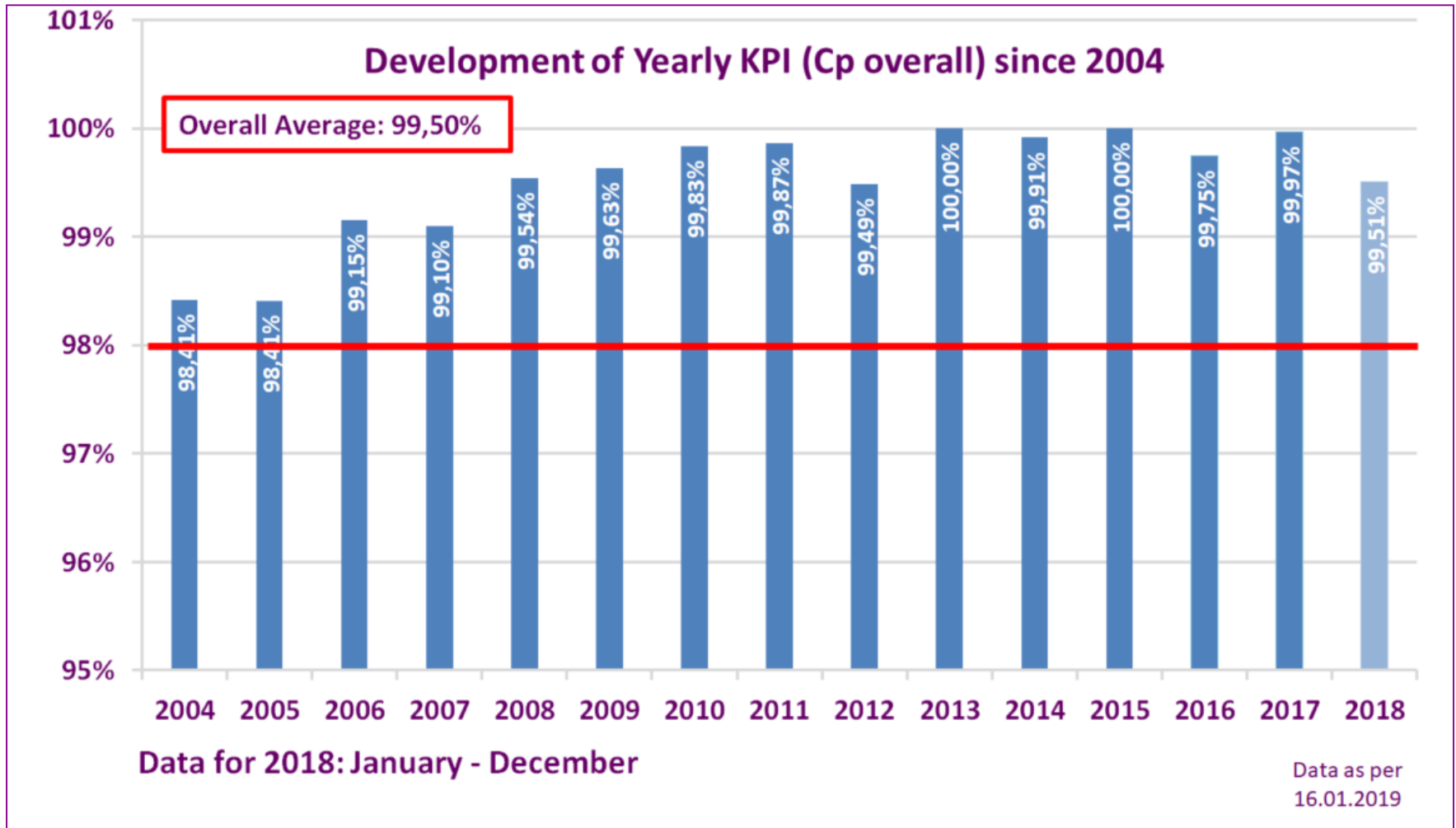
EAD | Quality

- Static and dynamic data reviews
- Immediate reports according to the severity of the findings
- Quarter, bi-annual and annual reports

EAD & GroupEAD | Quality performance



GroupEAD | Global service evaluation



EAD AND GROUPEAD

EAD & GroupEAD | A successful story



GroupEAD is the data operations and training provider for EAD on behalf of Eurocontrol.

EAD Services provided by GroupEAD:

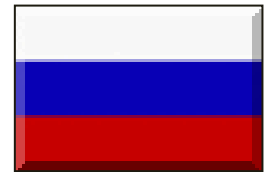
INO	International NOTAM Operations
SDO	Static Data Operations
PAMS	Published AIP Management System
SD	Service Desk
Training	EAD clients
Quality	Quality reviews of static and dynamic data



GroupEAD

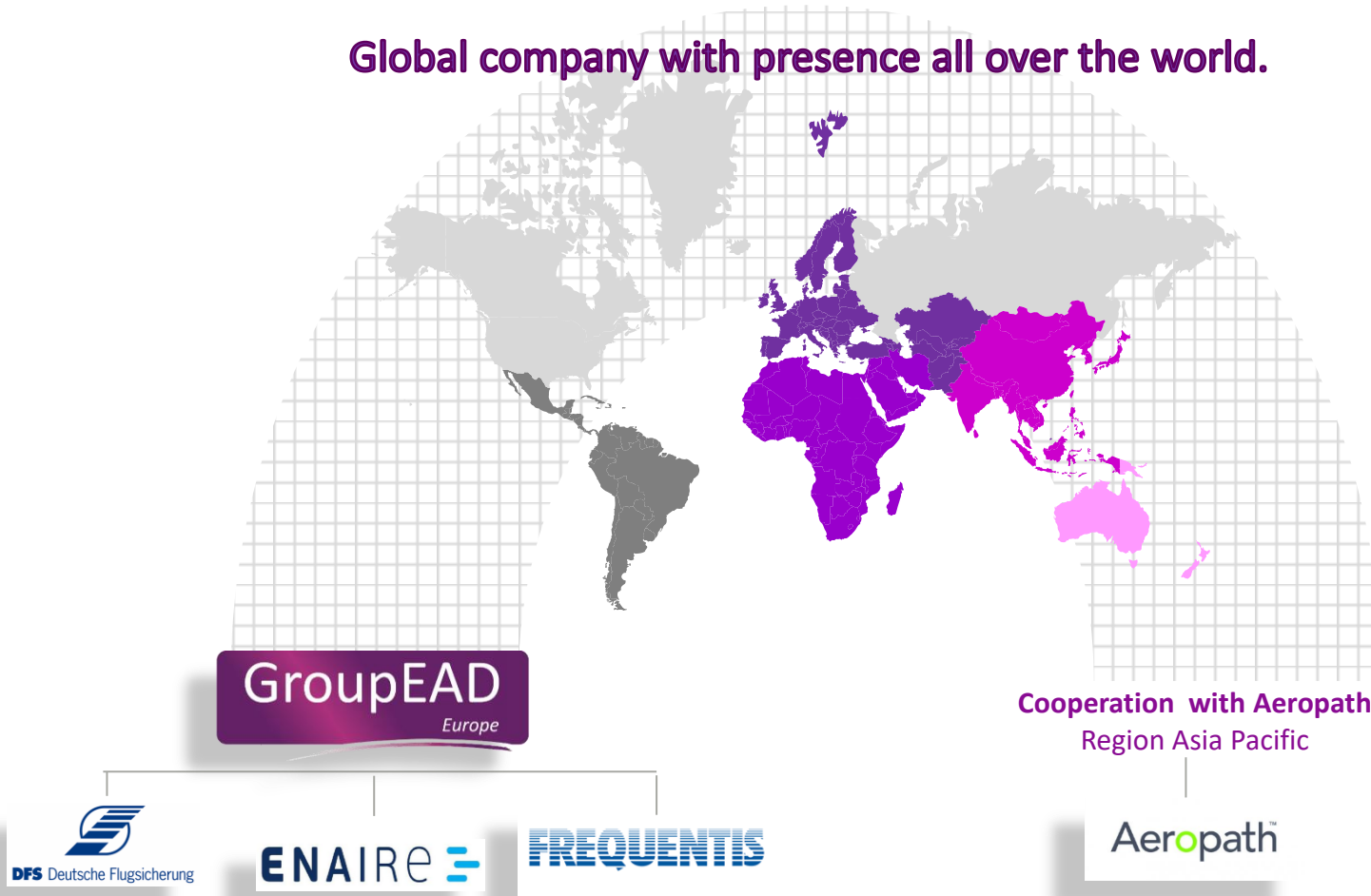
GroupEAD | Who we are?

Staff from 22 different nationalities and different areas of expertise which contribute to the success of the GroupEAD



GroupEAD | Who we are?

Global company with presence all over the world.



GroupEAD | Our clients



Albania | Algeria | Angola | Armenia | Aruba | Austria | Azerbaijan | Belarus | Belgium | Bosnia and Herzegovina | Brazil | Bulgaria | Canada | Caribbean Netherlands | China | Croatia | Cyprus | Czech Republic | Denmark | Dominican Republic | Democratic Republic of Congo | Estonia | Finland | France | French Polynesia | Georgia | Germany | Ghana | Greece | Haiti | Honduras | Hong Kong | Hungary | Iceland | India | Ireland | Israel | Italy | Japan | Jordan | Kazakhstan | Kenya | Kosovo | Latvia | Lithuania | Luxembourg | Macedonia | Malta | Moldova | Montenegro | Morocco | Netherlands | New Caledonia | New Zealand | Nigeria | Norway | Oman | Philippines | Poland | Portugal | Romania | Russia | Senegal | Serbia | Slovakia | Slovenia | Spain | South Africa | South Korea | Sudan | Sweden | Switzerland | Tajikistan | Turkmenistan | Tanzania | Thailand | Turkey | Uganda | Ukraine | United Arab Emirates | United Kingdom | Uzbekistan | Vietnam | Zambia |

Be part of the AIM revolution!

www.groupead.com

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