

EAD & GroupEAD - A Success Story

EAD, Regional Aeronautical Data Management

www.groupead.com

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EAD Supervisor

GroupEAD

EAD | Why EAD?

- Paper based



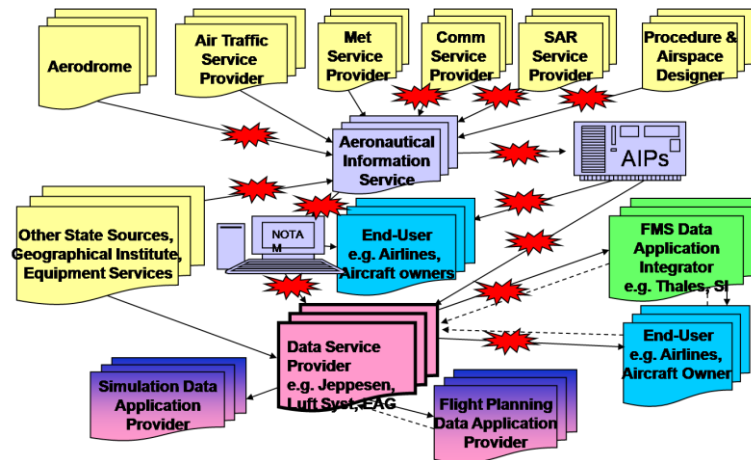
- Isolated systems



- Data manually entered



- Complex chain processes



EAD | Why EAD?

In 1997 the Committee of Management agreed to the implementation of an EAD

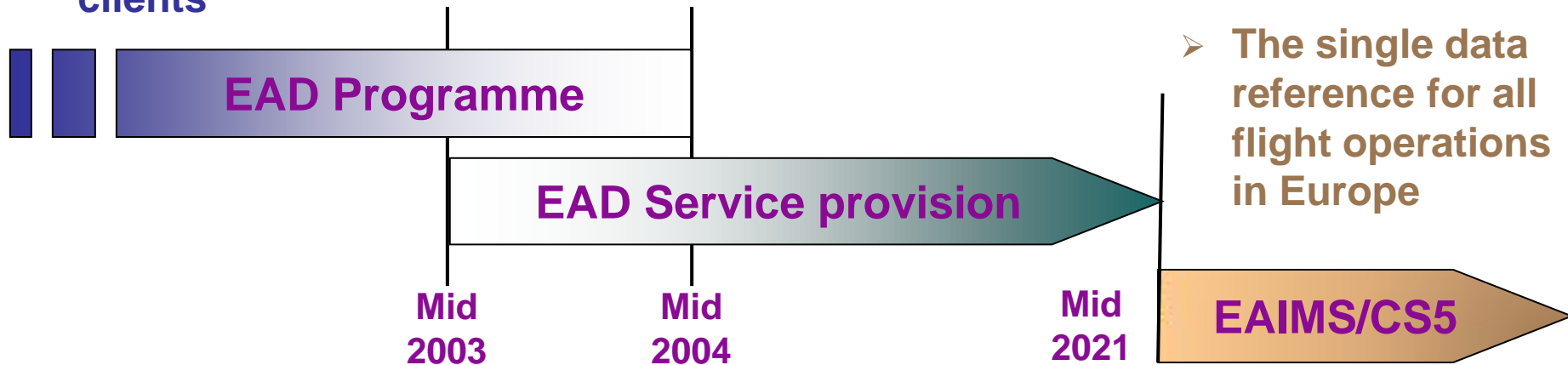


EAD is a single, centralised repository of aeronautical information offering electronic data processing and archiving being run by GroupEAD.

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EAD | Evolution

- Implement the EAD system/service
- Support the migration of clients

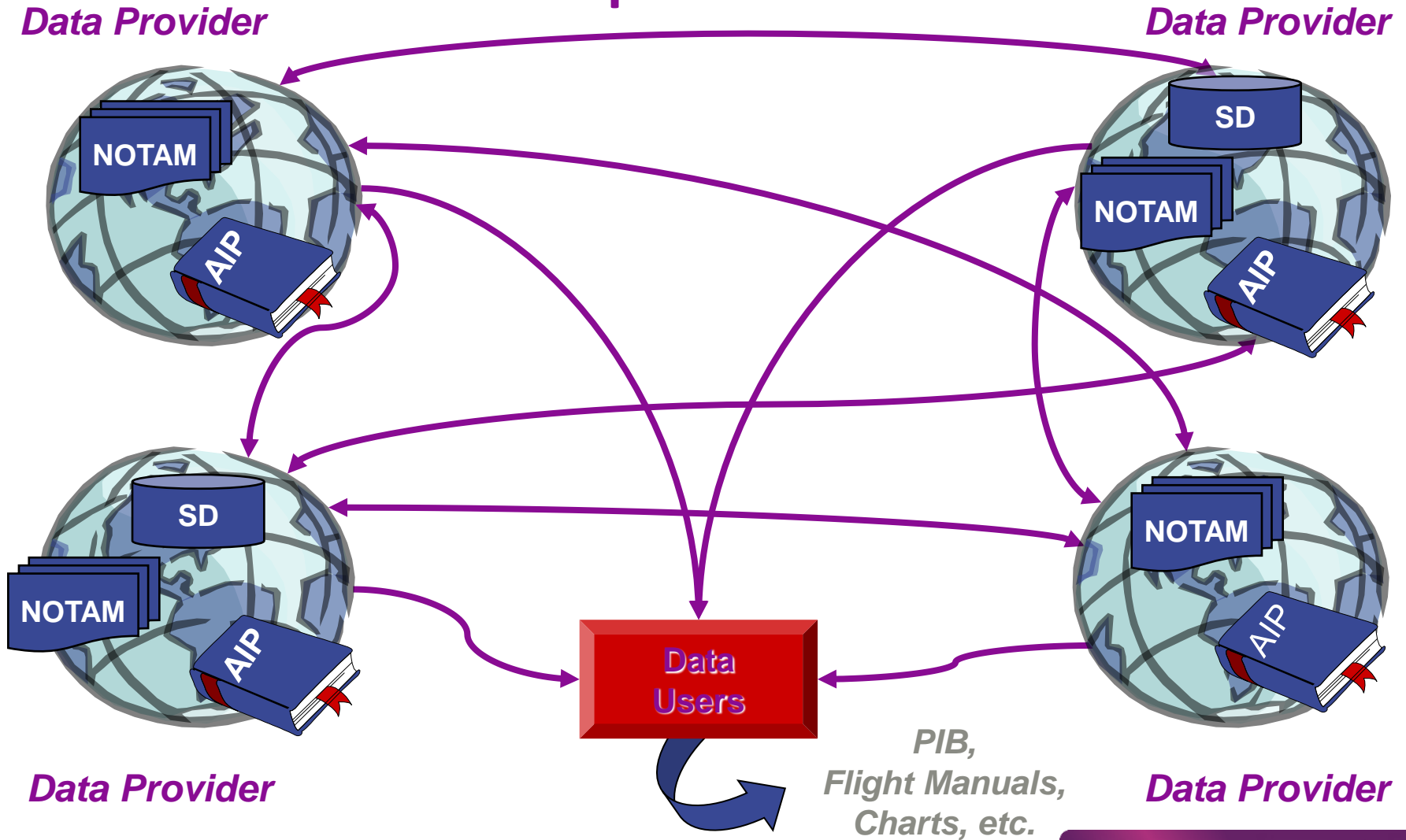


- The single data reference for all flight operations in Europe

- Monitor the EAD service provision
- Manage the EAD innovation
- Effect the dialogue with clients (Users Group)
- Foster the migration of new clients

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EAD | Before EAD



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EAD | Before EAD

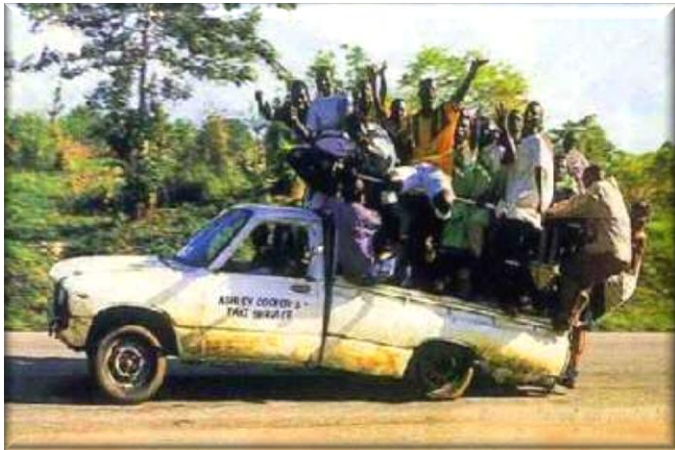
Blocking



Hazardous



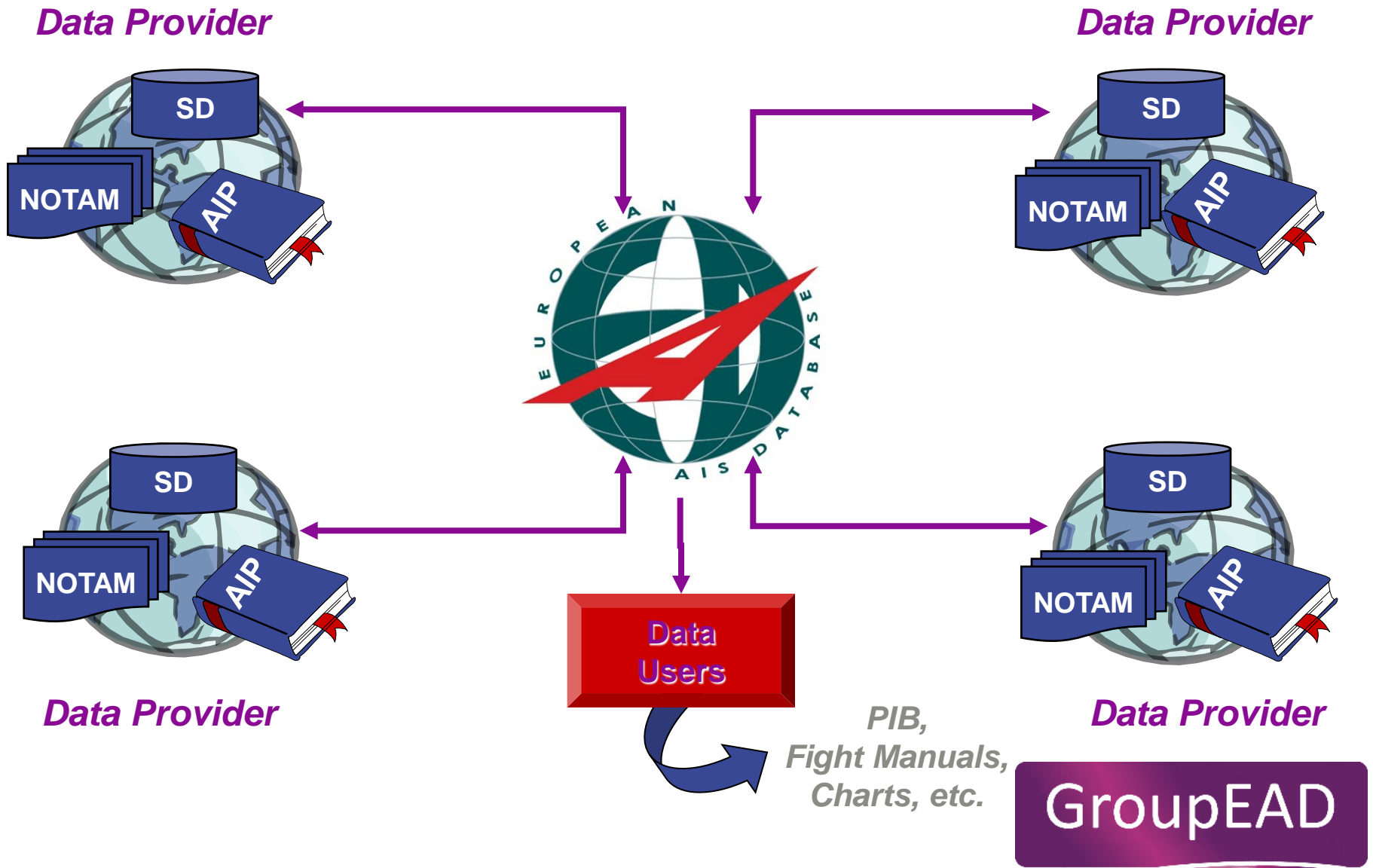
Overloaded



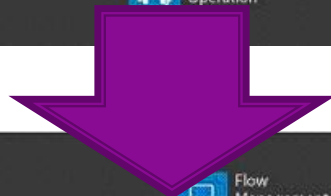
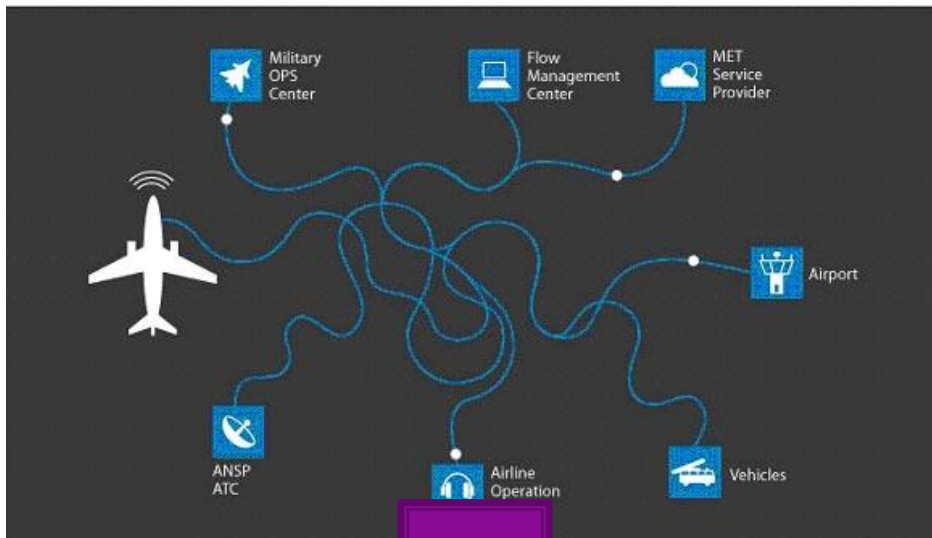
Expensive



EAD | Operational Concept



EAD | SWIM Pioneer



The EAD development and the lessons learned from it has been used as a starting point for defining the SWIM concept.

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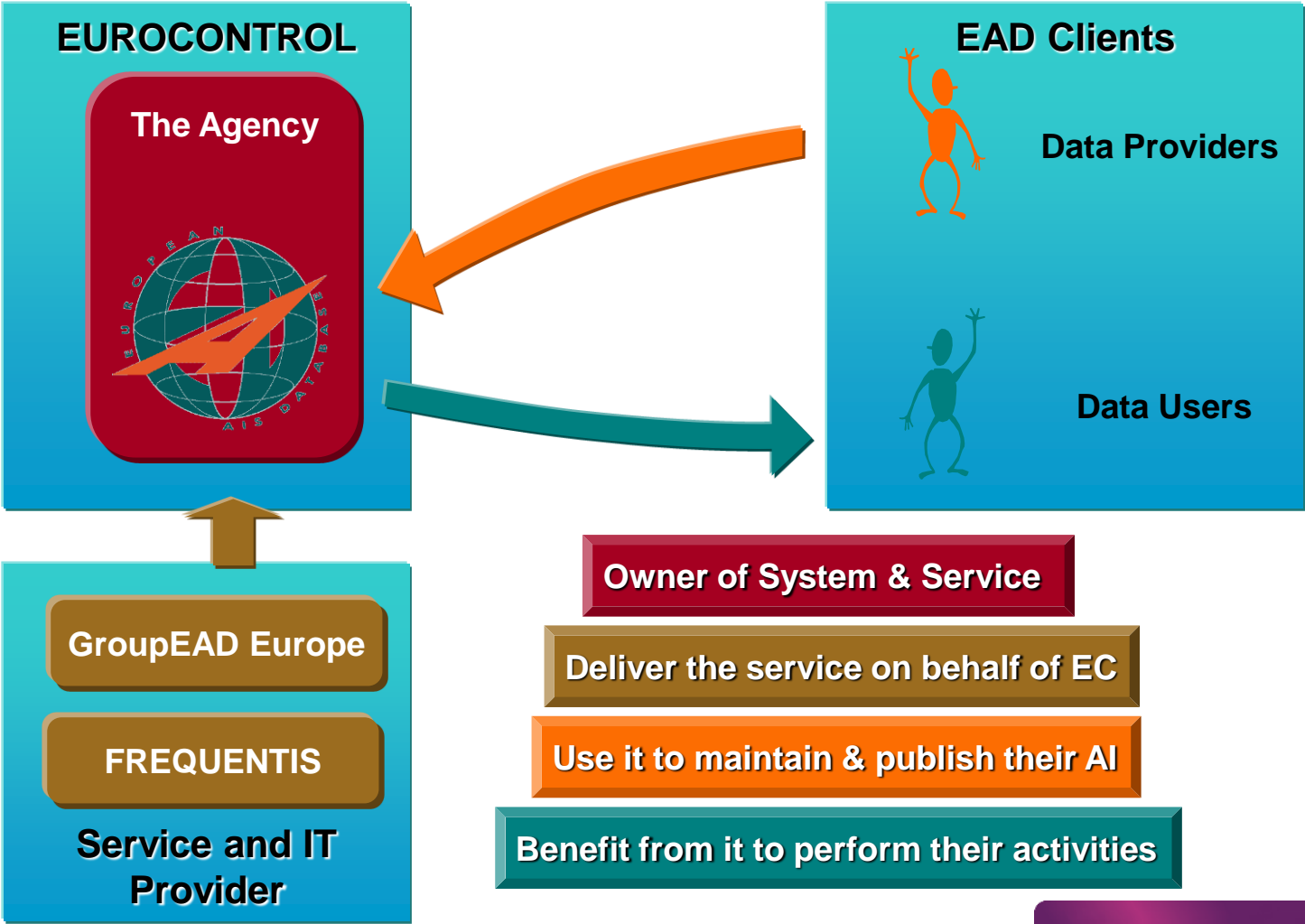
EAD | Objectives

- Improve current operational structure of AIS
- Support and facilitate the maintenance, publication and timely distribution of validated aeronautical information
- Promote and implement a standard for the data exchange in order to ensure harmonisation and interoperability (AIXM)
- The ultimate objective:

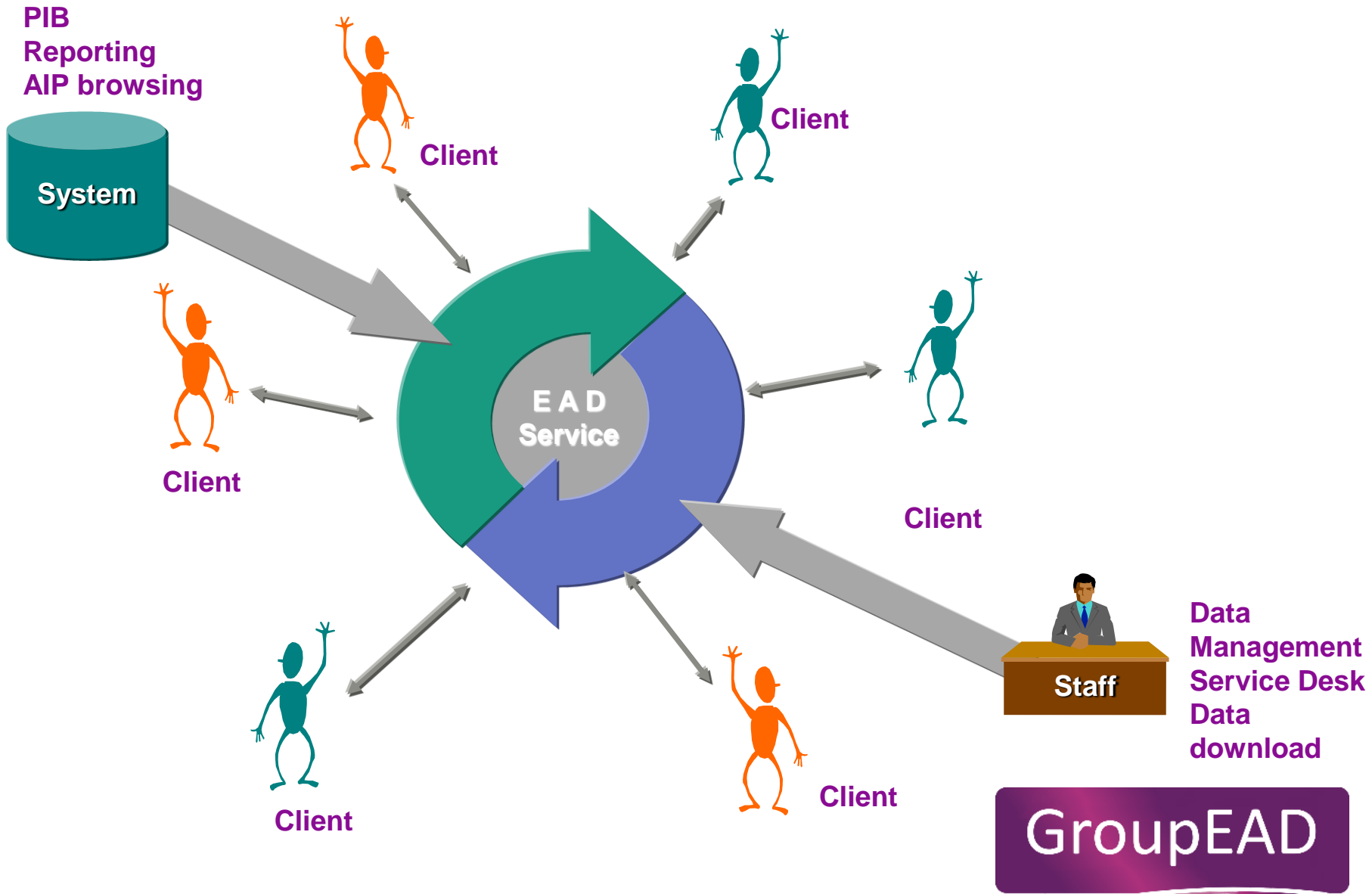
An integrated and validated Dynamic and Static system

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EAD | Roles and tasks



EAD | The service



EAD | Applications

Data Provider

Data User

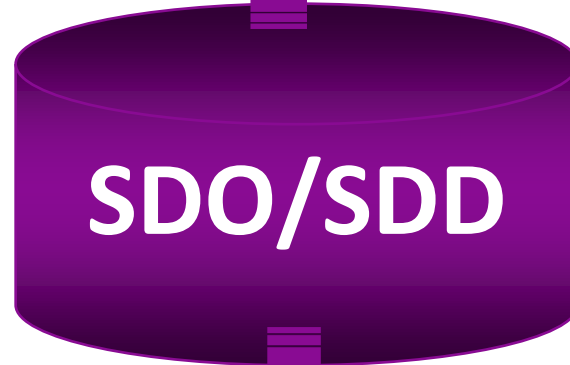
NOTAM creation

NOTAM queries
PIBs, FPL



Data input

Data Retrieval



PAMS input

Browsing AIP /
Charts



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EAD | Data Coverage

- World-wide including *ECAC*
 - International NOTAM Operation (INO)
 - World-wide (WW) original & processed messages
 - Static Data Operation (SDO)
 - Static data used for NOTAM Validation, and PIB Generation
- ECAC and ECAC+ areas
 - AIP, Amdt and Supplements, AIC and Charts
 - Static Data Operation (SDO)
 - Complete static data contained in the Aeronautical Information Publication



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EAD | International NOTAM Operation (INO)

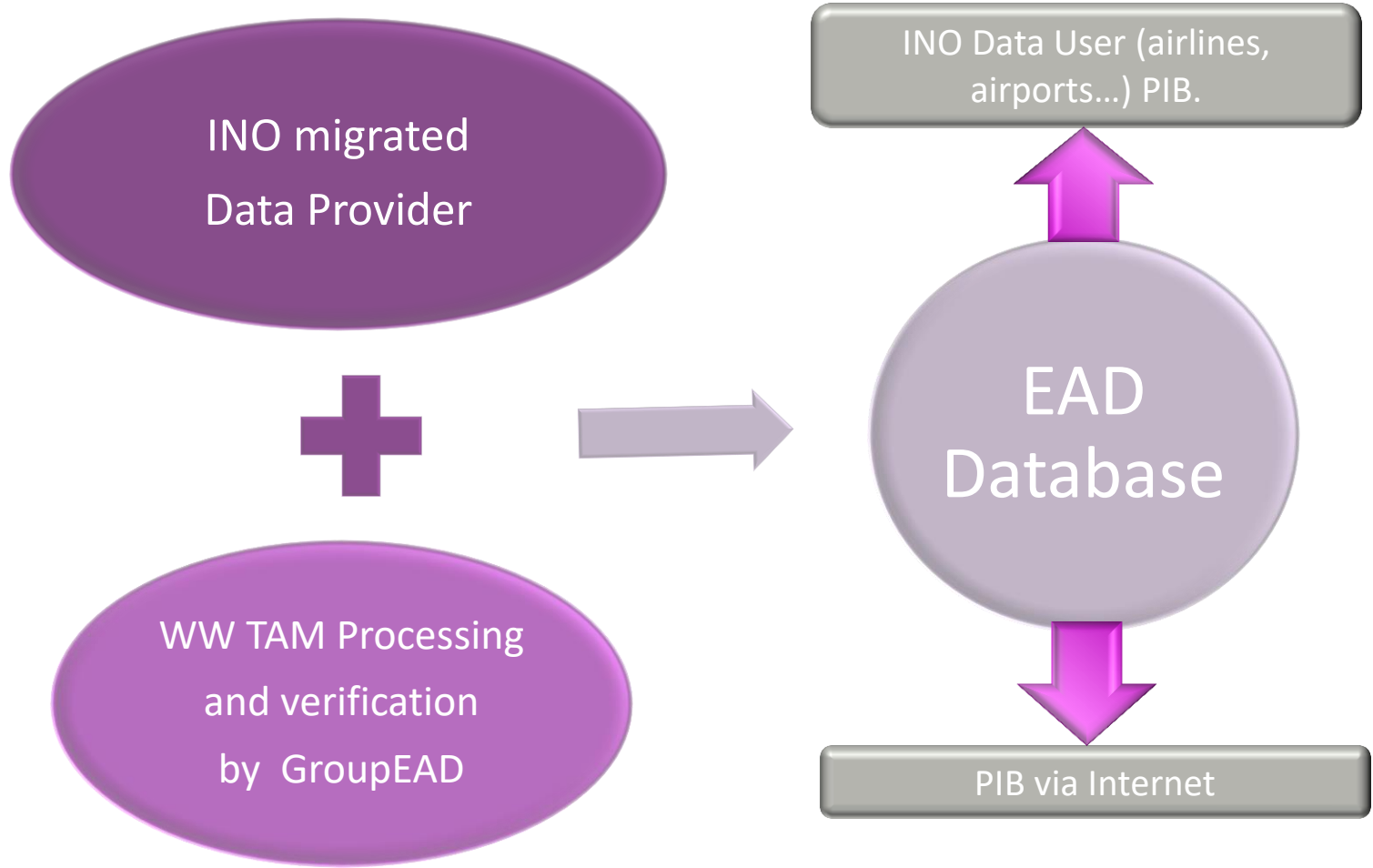
Objectives of the **INO service**:

- the facilitation and exchange of TAM messages.
- the report, creation and provision of query facilities for airspace users.

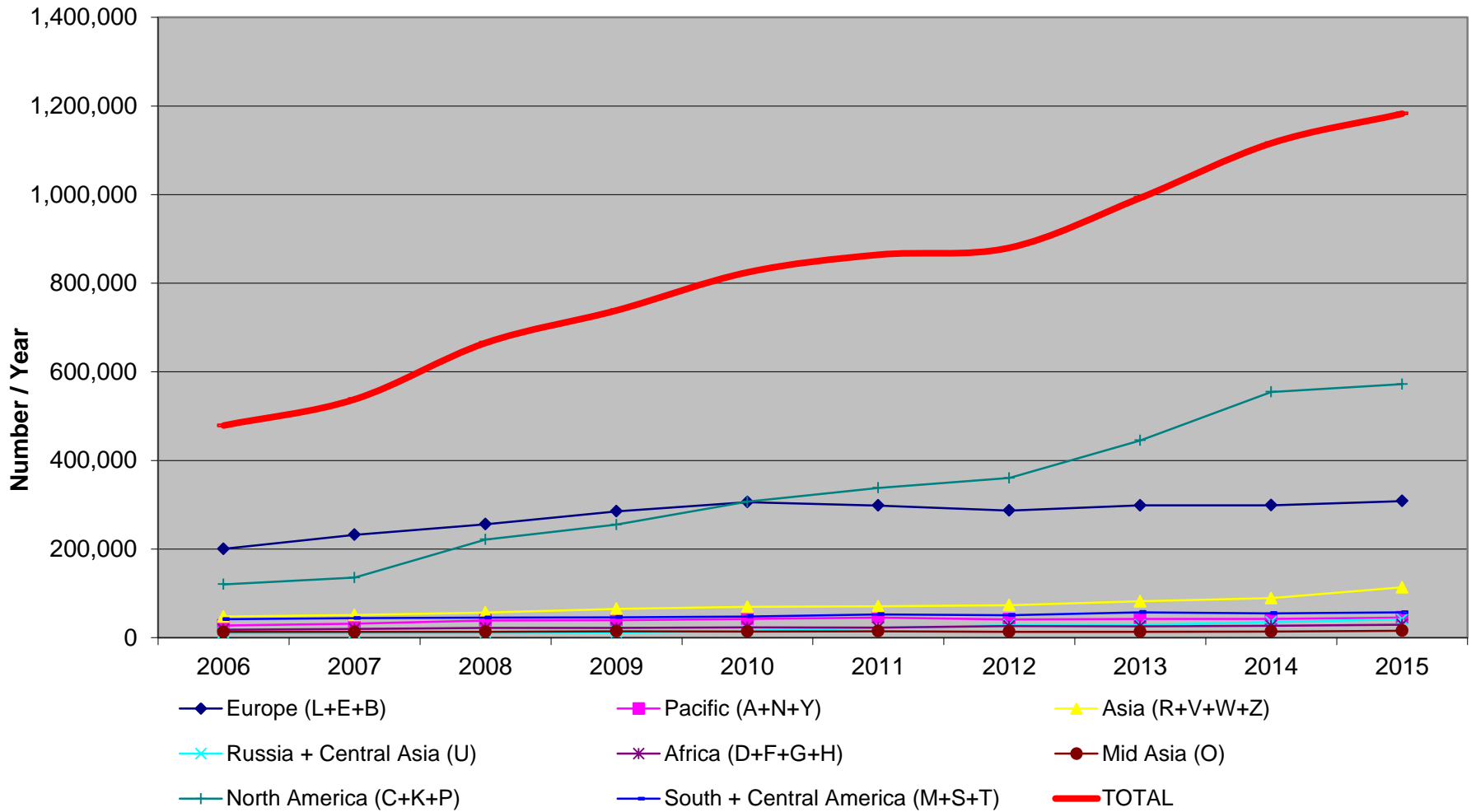
The **Service Provider** is responsible for:

- Reception and processing of NOTAM, SNOWTAM, and ASHTAM messages via AFTN
- Processing and analysis of NOTAM Checklists
- Reception and processing of Free Text Messages (FTM)

EAD | INO Workflow



NOTAM | Trends 2006-2015



EAD | Static Data Operation (SDO)

Migrated States

SCOPE

All AIP data:

- ✓ **AERODROMES**
- ✓ **Obstacles**
- ✓ **NAVAIDS**
- ✓ **AIRSPACES**
- ✓ **ROUTES and Waypoints**
- ✓ **SID, STAR, and IAC**

Loaded by staff of migrated state

Rest of the World (WW)

SCOPE

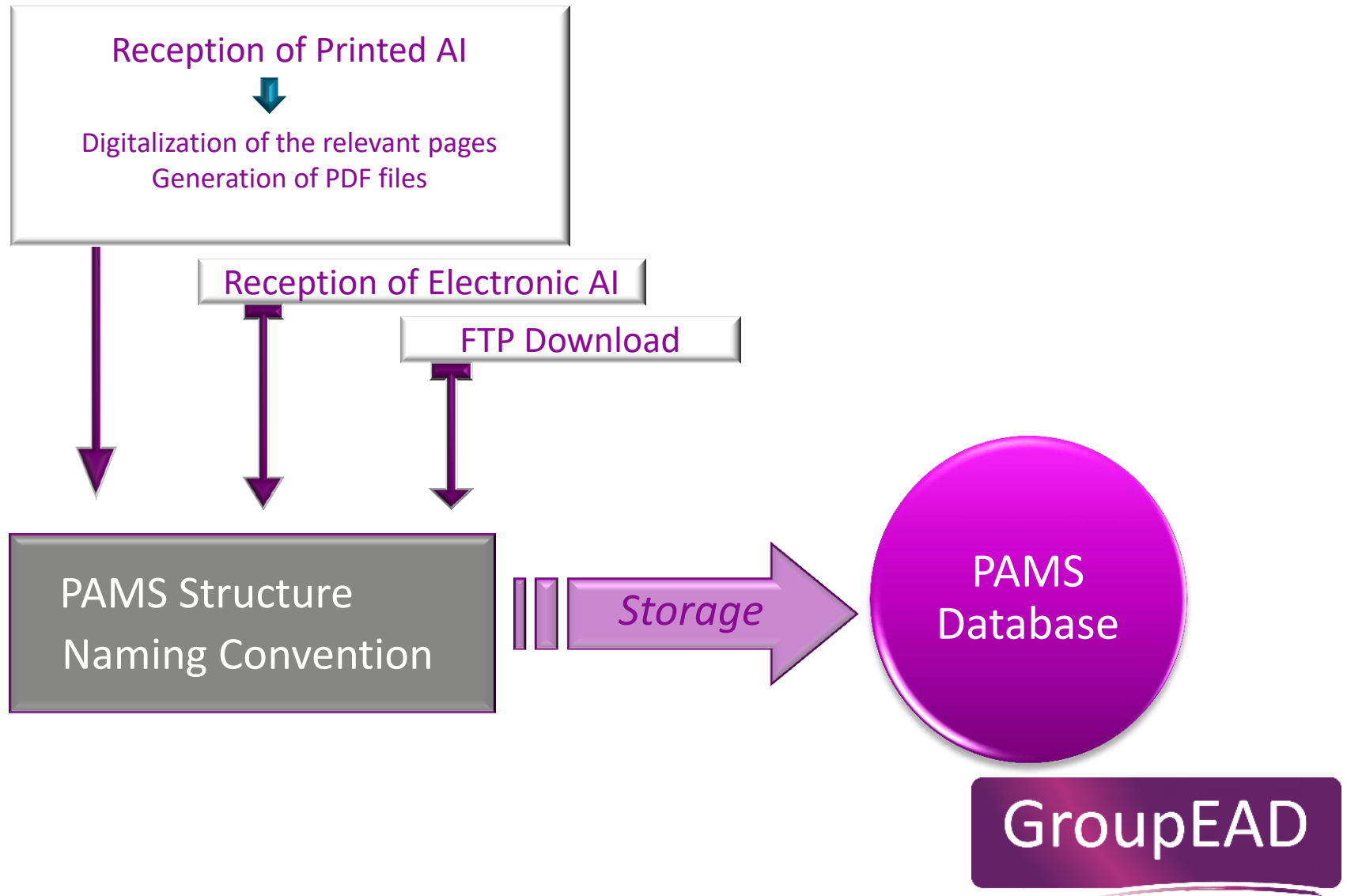
Selected attributes of

- ✓ **AERODROMES**
- ✓ **NAVAIDS, except ILS**
- ✓ **AIRSPACES**
- ✓ **ROUTES and Waypoints**

Loaded by GroupEAD staff

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EAD | PAMS Workflow



EAD | Service Desk

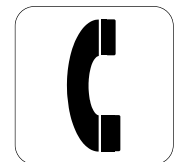
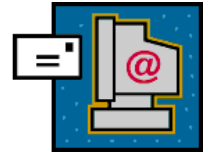
Who



When



How



EAD Service Desk

Operational Support
Service Requests
Data Support

Why

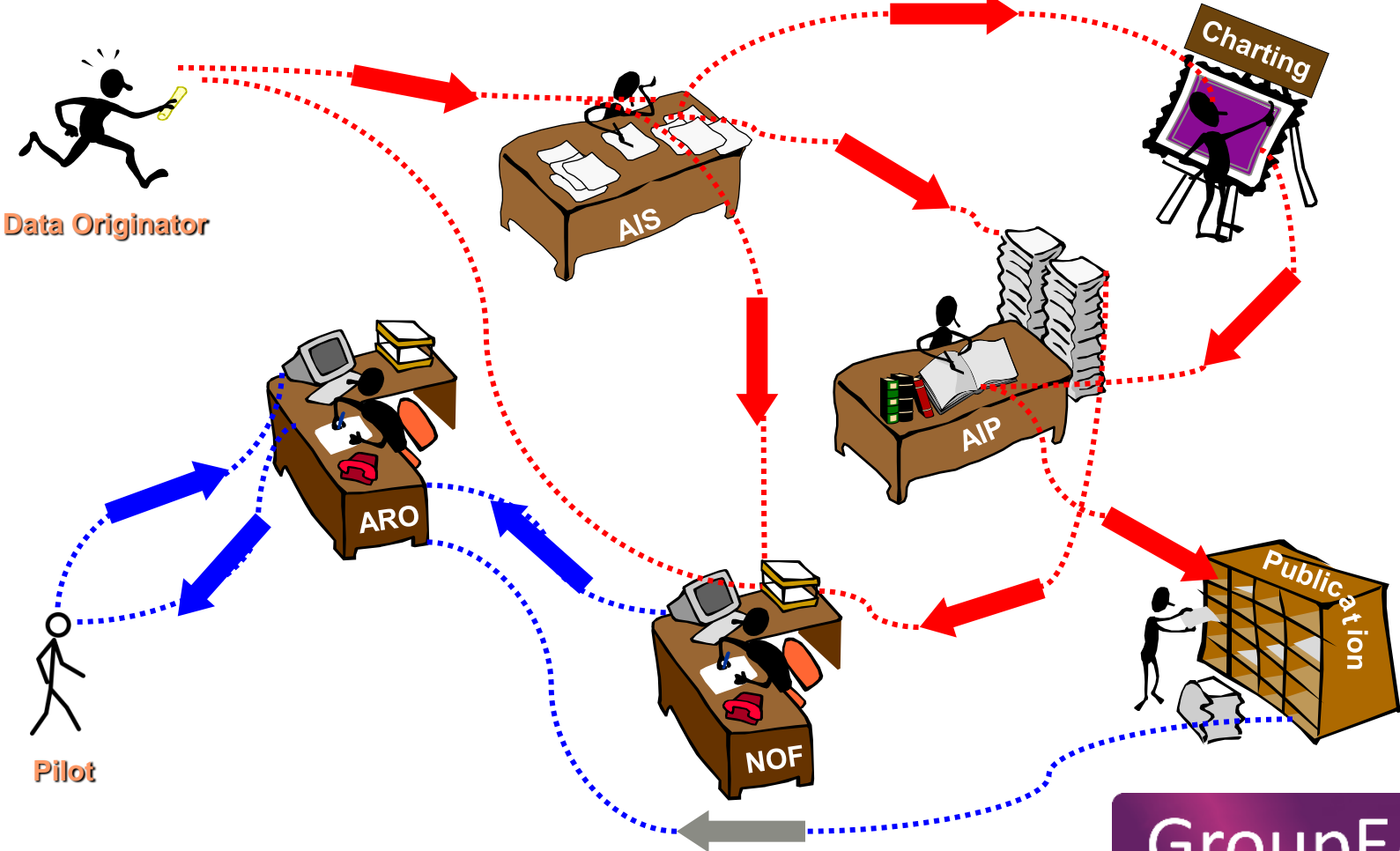
Technical Support



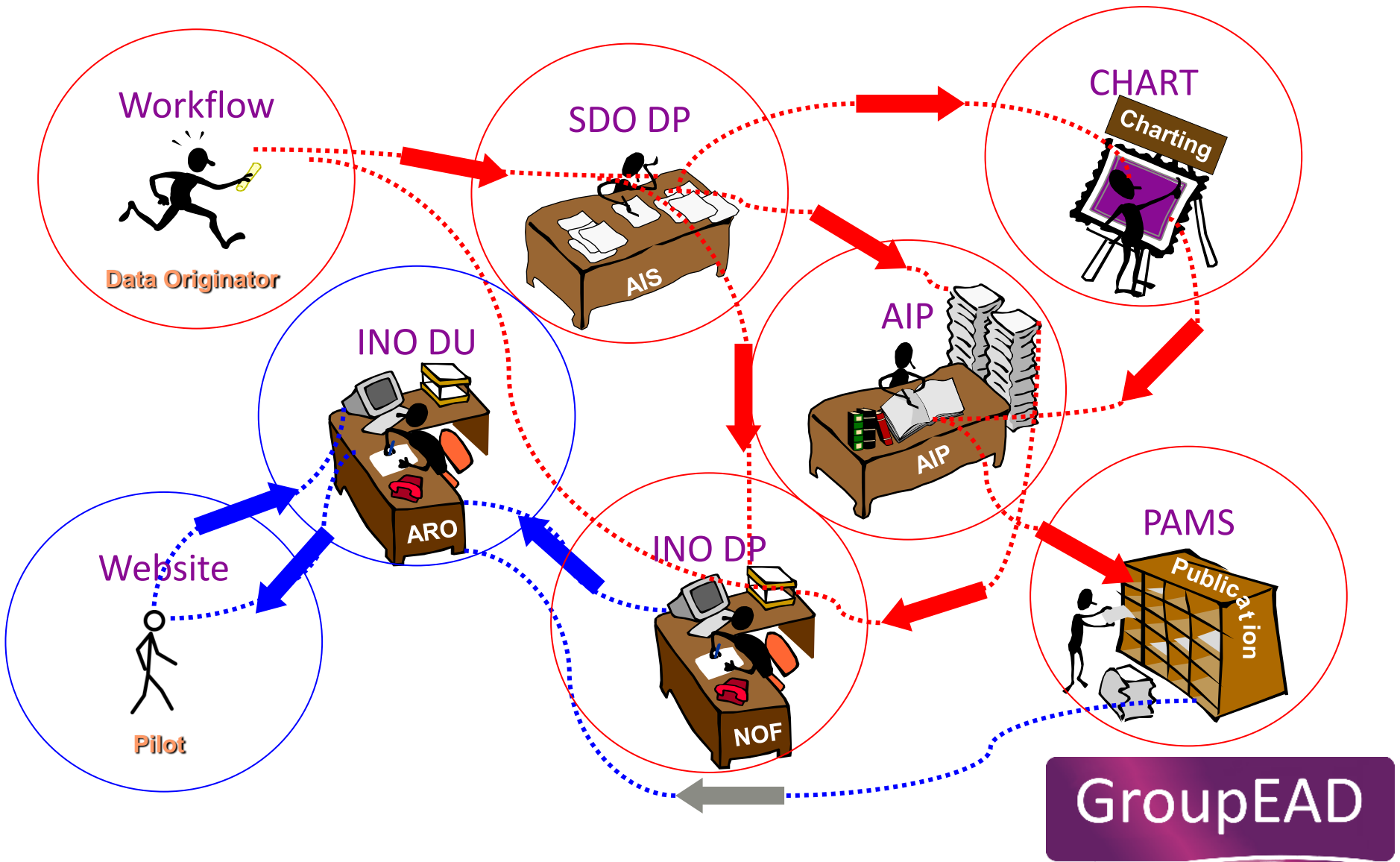
EAD | Service Desk

- The main objective of the Service Desk service is to act as the interface between all EAD clients and the EAD service as such.
- Responding to any request for operational and technical assistance
- Perform, supervise and monitor the resolution of all operational and technical problems for clients
- Managing the delivery of specifically requested services in response of client requests

AIS | Possible workflow



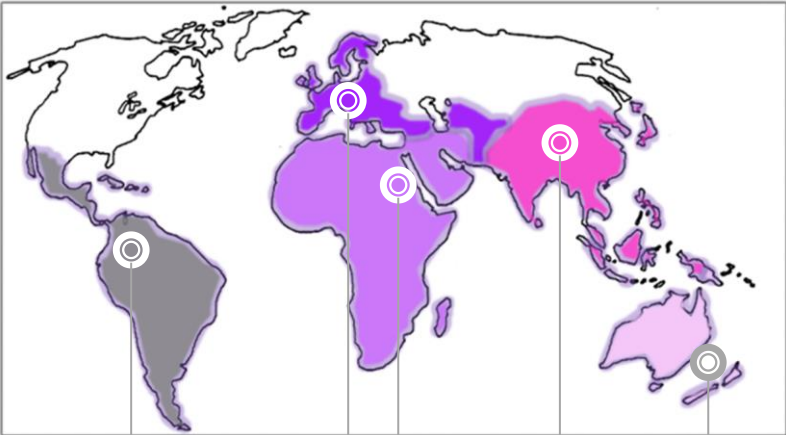
EAD | Tools



GroupEAD | Who we are

GroupEAD

A Global Operating Company in 5 Sales Regions Represented



GroupEAD

Europe



ENAIRe

FREQUENTIS

GroupEAD

Asia Pacific

GroupEAD

Europe

AIRWAYS
making your world possible

GroupEAD

GroupEAD | Who we are

Staff from 19 different nations and different areas of expertise

contribute to the success of GroupEAD



EAD & GroupEAD | A Success Story



GroupEAD is providing data operations and training services for the European AIS Database (EAD) on behalf of EUROCONTROL.

The EAD services provided by GroupEAD:

- | | |
|---------------------|-------------------------------------|
| INO | International NOTAM operations |
| SDO | Static data operations |
| PAMS | Published AIP management service |
| SD | Service Desk support to EAD clients |
| EAD Training | For EAD clients |



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EAD & GroupEAD | A Success Story

**With the realisation of the
“EAD”
aeronautical data world
improved because ...**

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GroupEAD delivers its service under:

- Service Level Specification (SLS) agreed for each EAD service
- Payment by EUROCONTROL depends on capability and performance of the service



+20%

-20%

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GroupEAD...

... it is all about performance!

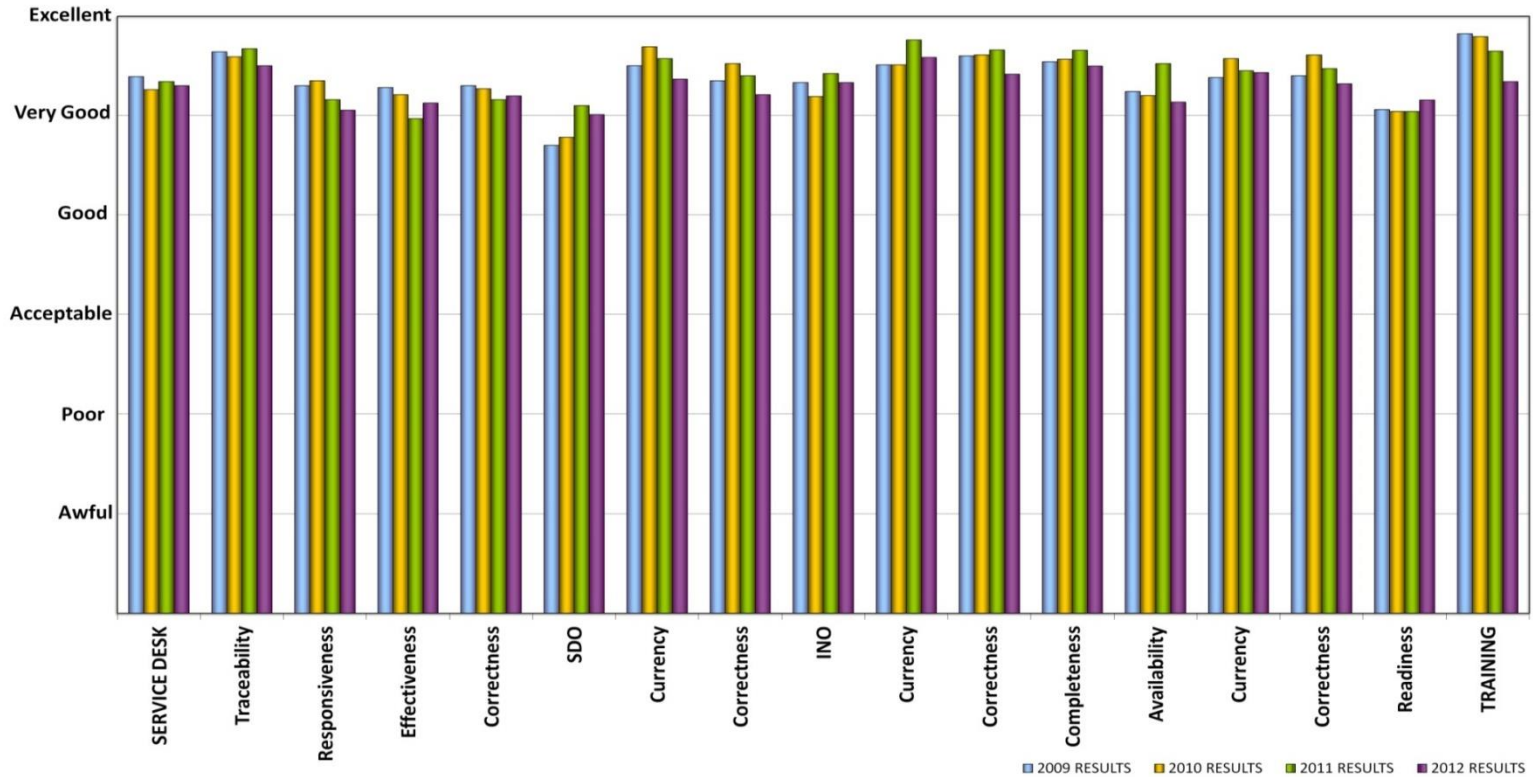
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Customers always first!

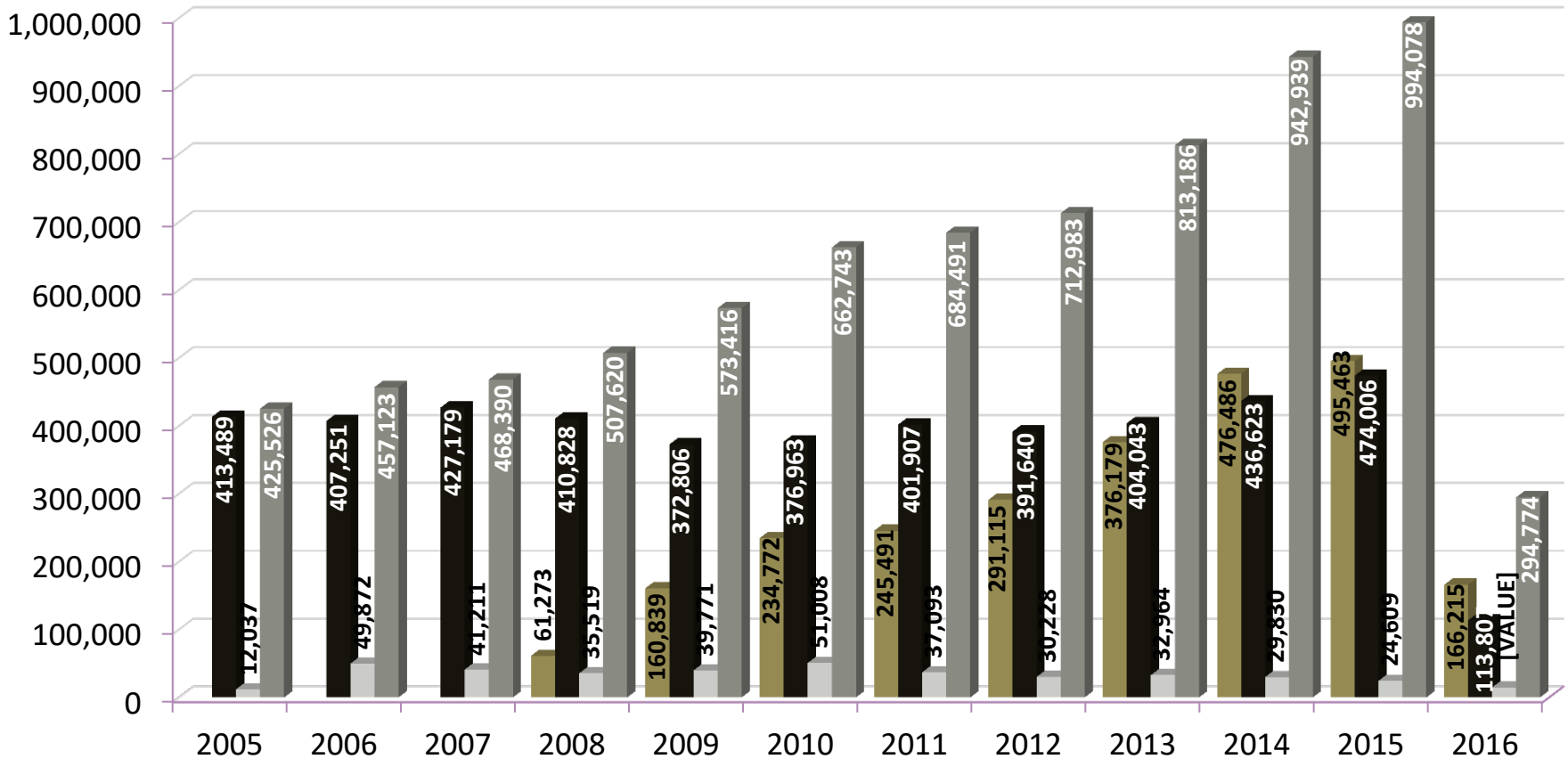
The EAD clients testify excellent performance since 2009

EAD DOP & TRAINING SERVICES - CLIENTS SATISFACTION RESULTS (2009-2012)



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History of EAD NOTAM Processing 2005 - 2016

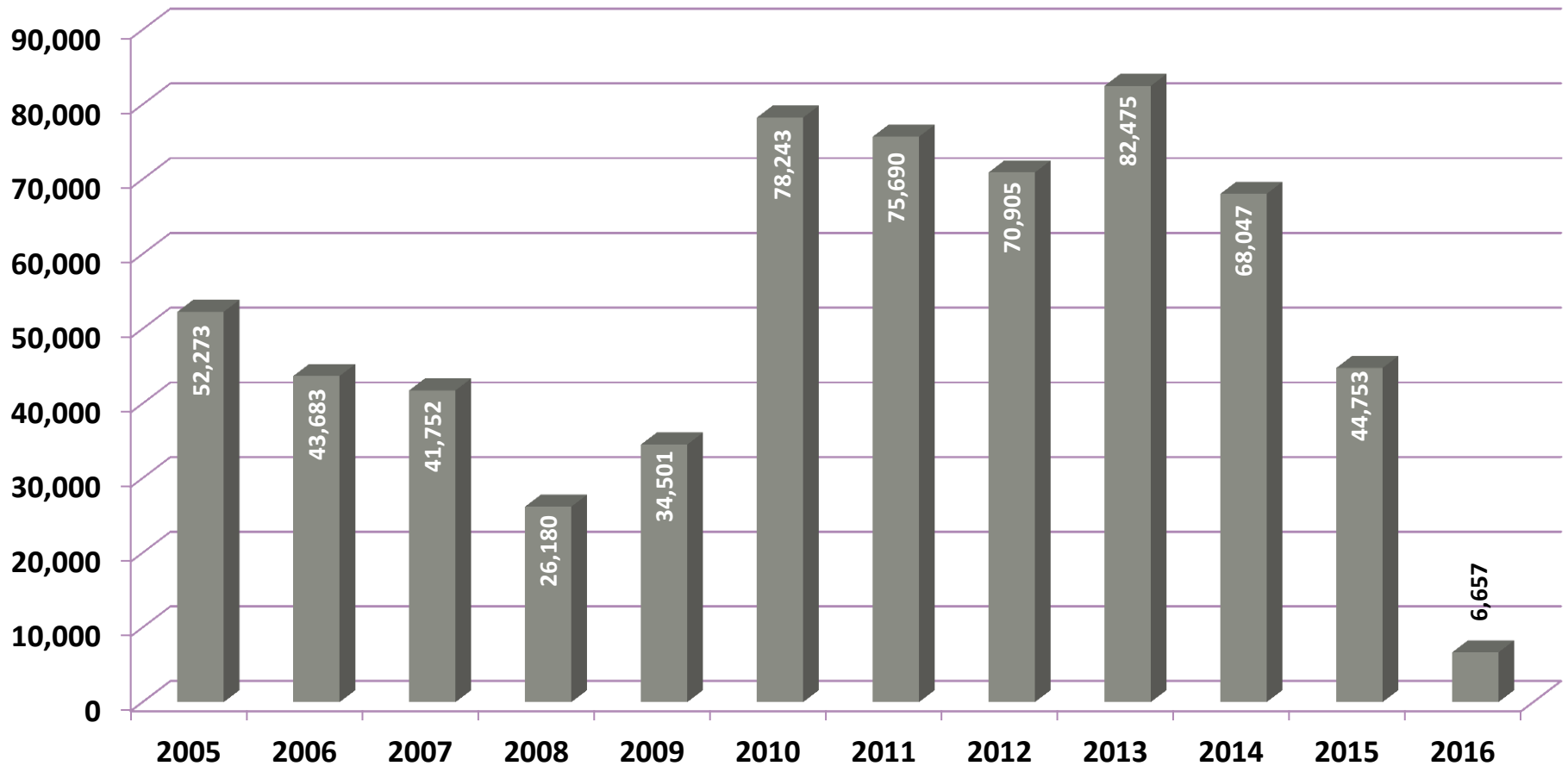


Values incl. March 2016



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History of Static Data Operation SDO (Changes Loaded) 2005 - 2016



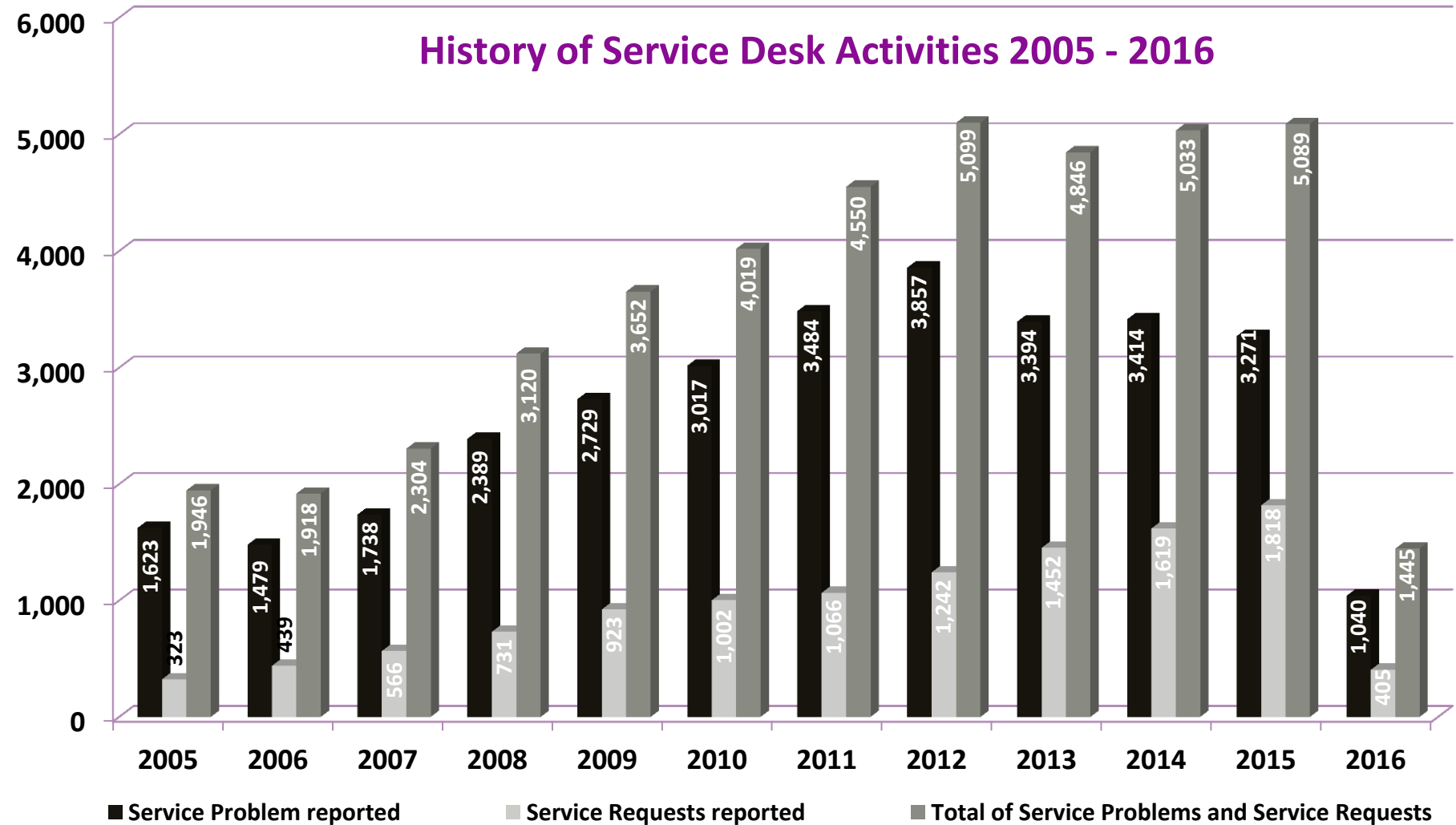
■ SDO Data Loaded

Values incl. March 2016

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History of Service Desk Activities 2005 - 2016

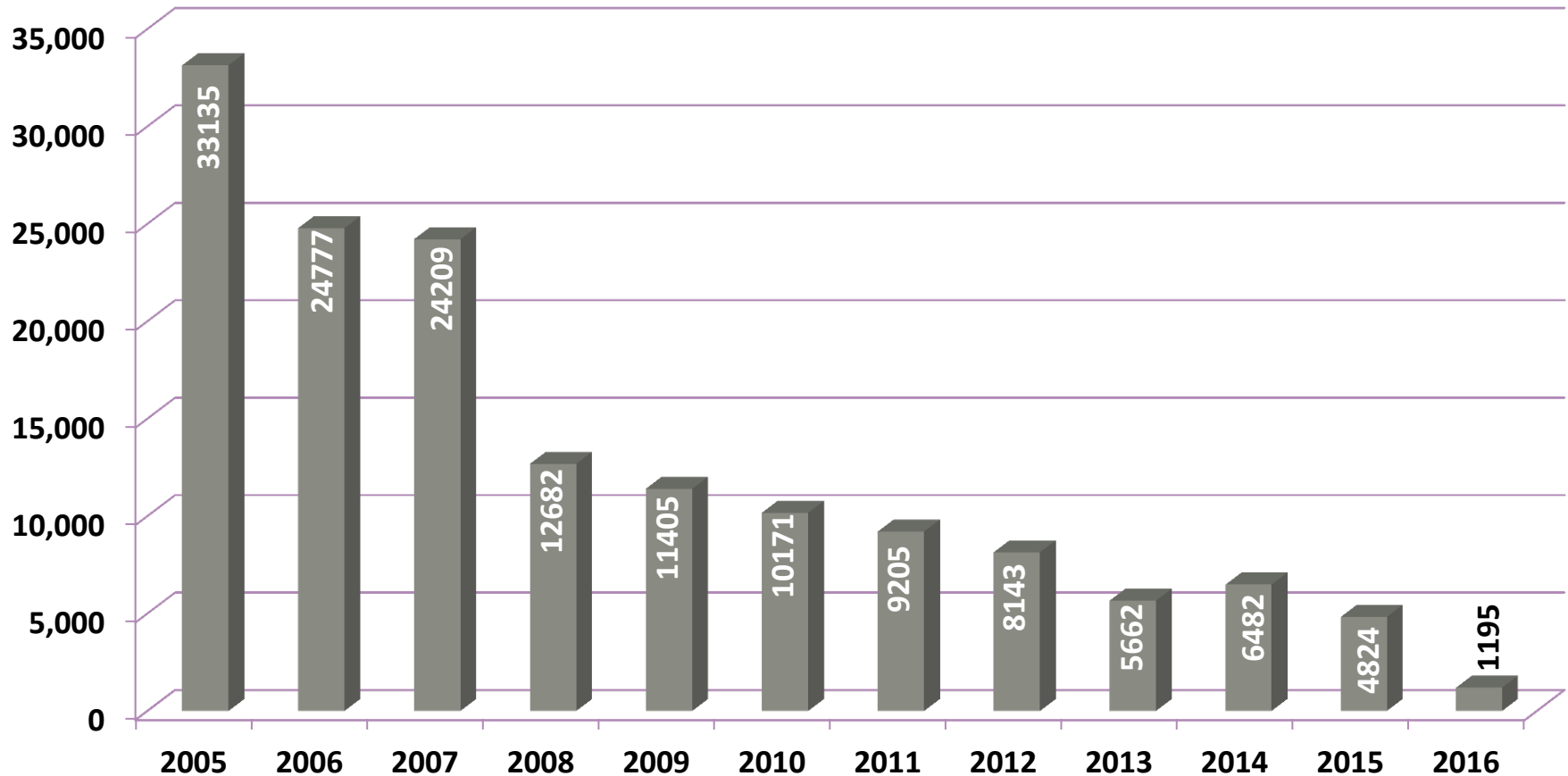


Values incl. March 2016



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History of PAMS Activities 2005 - 2016



Values incl. March 2016

■ PAMS Pages...



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EAD and GroupEAD
It has been an excellent decision!



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