Mandatory Occurrence Reporting System in Italy

Inter-FAB Safety Workshop
Cyprus 21-22.05.2015
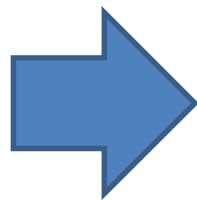
Safety Analyst Giuseppe FRATI (ENAC)
(Italy)

ENAC

Occurrence Reporting System

- **Regulation (EU) No 376/2014** on the Reporting, Analysis and Follow-up of Occurrences in Civil Aviation

- **ICAO Annex 19:** Occurrence Reporting

- **SMS** Implementation at organisations (SMM Ed. 3)

Setting up an 'Aviation Safety Management System for Europe'

Regulation 376/2014

- Entry into force: May 2014
- Application: **15 November 2015**

- Two types of reporting system**:**

    Mandatory Reporting (**MORS**)

    Voluntary Reporting (**VORS**)

- For the implementation of reg. 376/2014:
    - ➤ **IR** (list of occurrences under MOR) <u>to be adopted</u>
    - ➤ Guidance Material (draft to be adopted)

Technical Requirements

- **Mandatory Reporting System** (each organisation and each MS)

- Compatibility with the **ECCAIRS** software and the **ADREP** taxonomy (integrated in ECCAIRS)

- Use of **standardised** formats

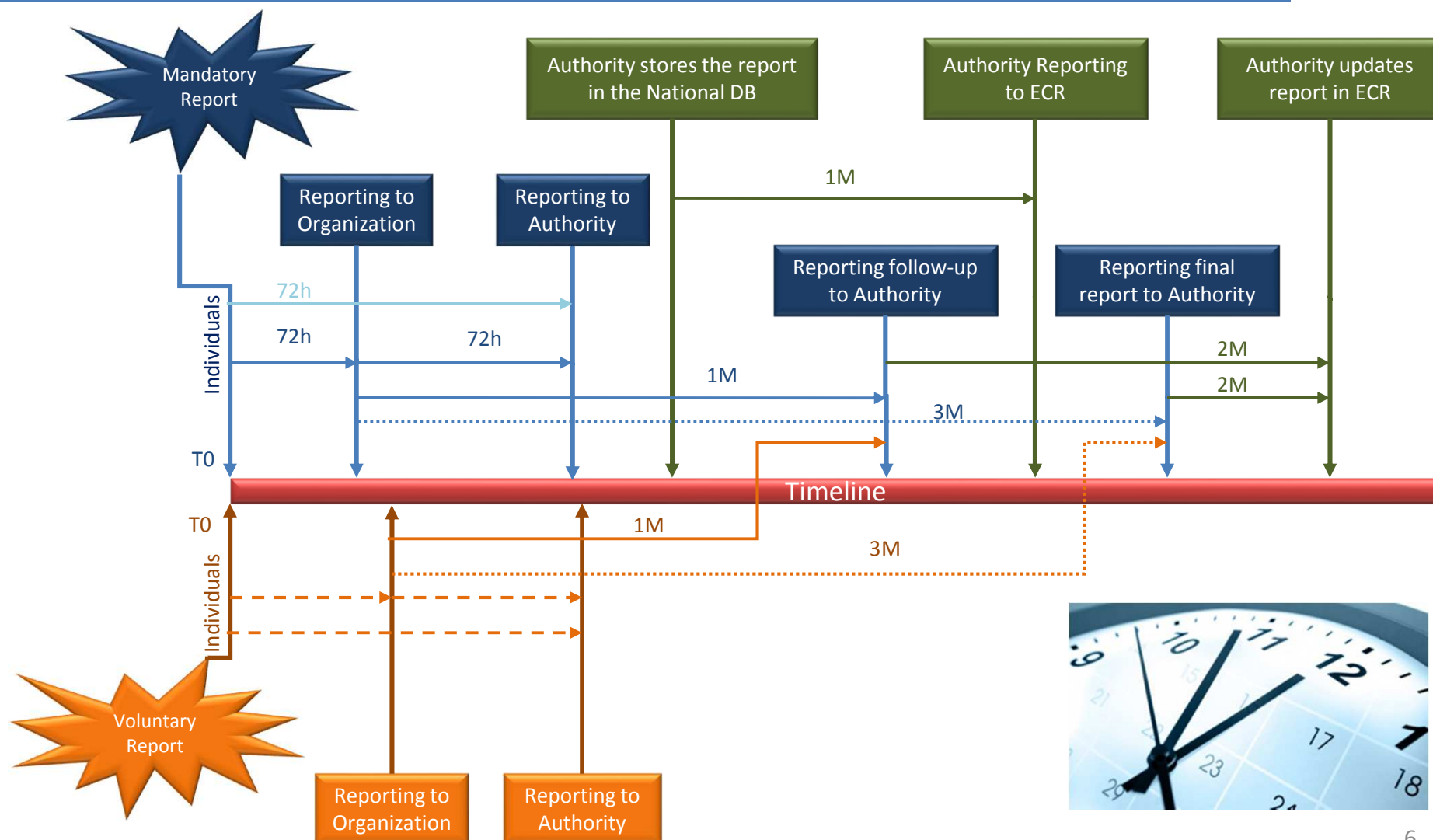- Mandatory data field (Annex I to Reg. 376/2014)

Reporting Timescales

- **Individual report** to their organisations through SMS (occurrence happens)

- 72 hours
  (**initial report** from organisation to the CAA in ECCAIRS/ADREP compatible format)

- 1 month (**follow-up report** to the CAA)

- 3 months (**final** report)

- All occurrences shall be sent to the **ECR** by the competent Authority

Reporting Timescales

ADREP/ECCAIRS compatibility

Acceptable means of **compliance**:

✓ **On-line** reporting form (WebDAS)

✓ **E5X file format** (compatible standard data format mostly meant for large organisations)

✓ **Off-line** reporting form (organisations not producing many occurrences and individuals)

✓ Use of the **ECCAIRS** compatible system (i.e eTOKAI)

ENAC Reporting System

eE-MOR

- **eE-MOR** is the **electronic ENAC MOR** system

- The system is based on **Eccairs 5** *(compliant with Regulation 376/2014)*

- Reporting Data are provided directly by individual/organization through Webdas on-line interface (**direct upload** of information in the national ECCAIRS database)
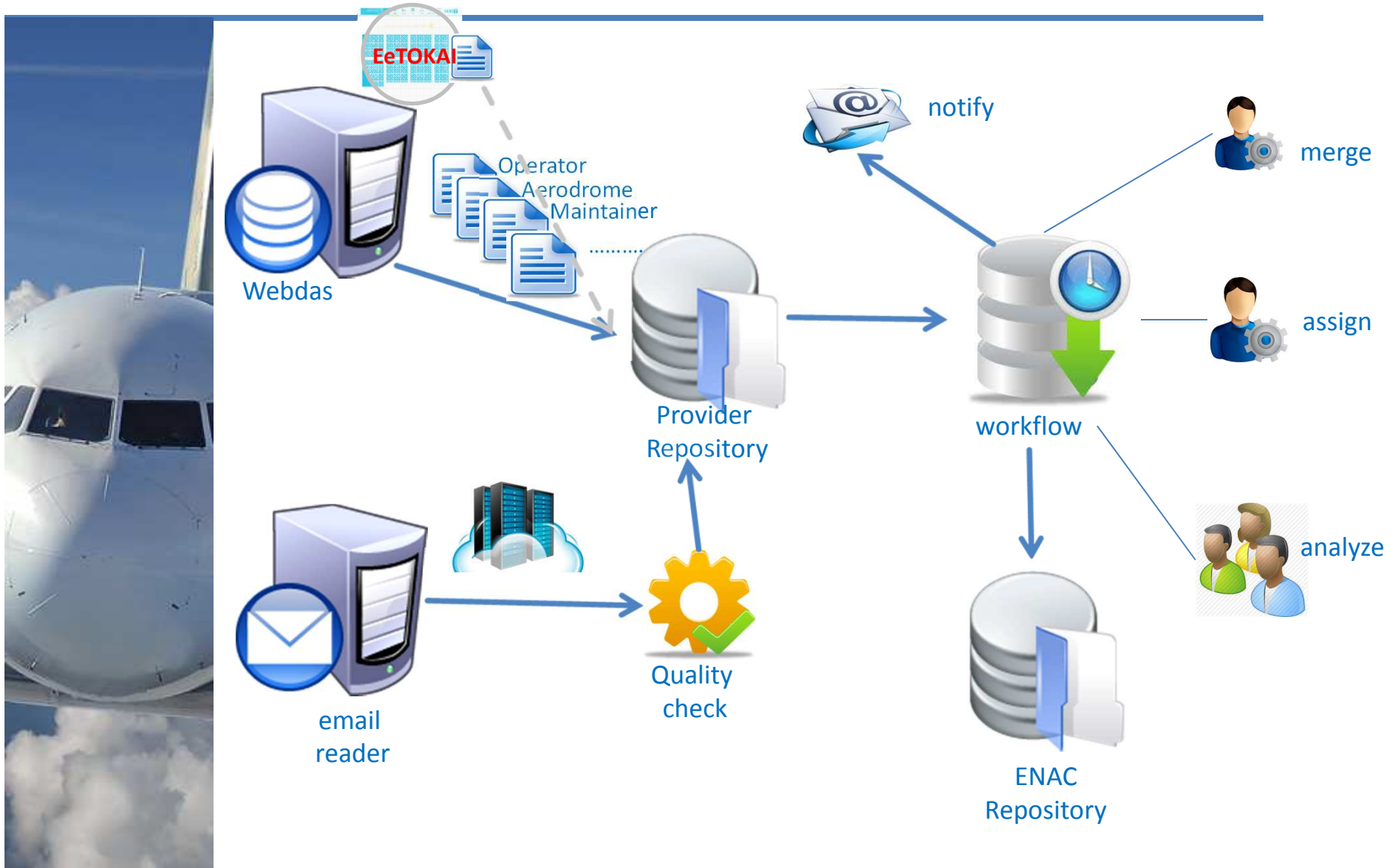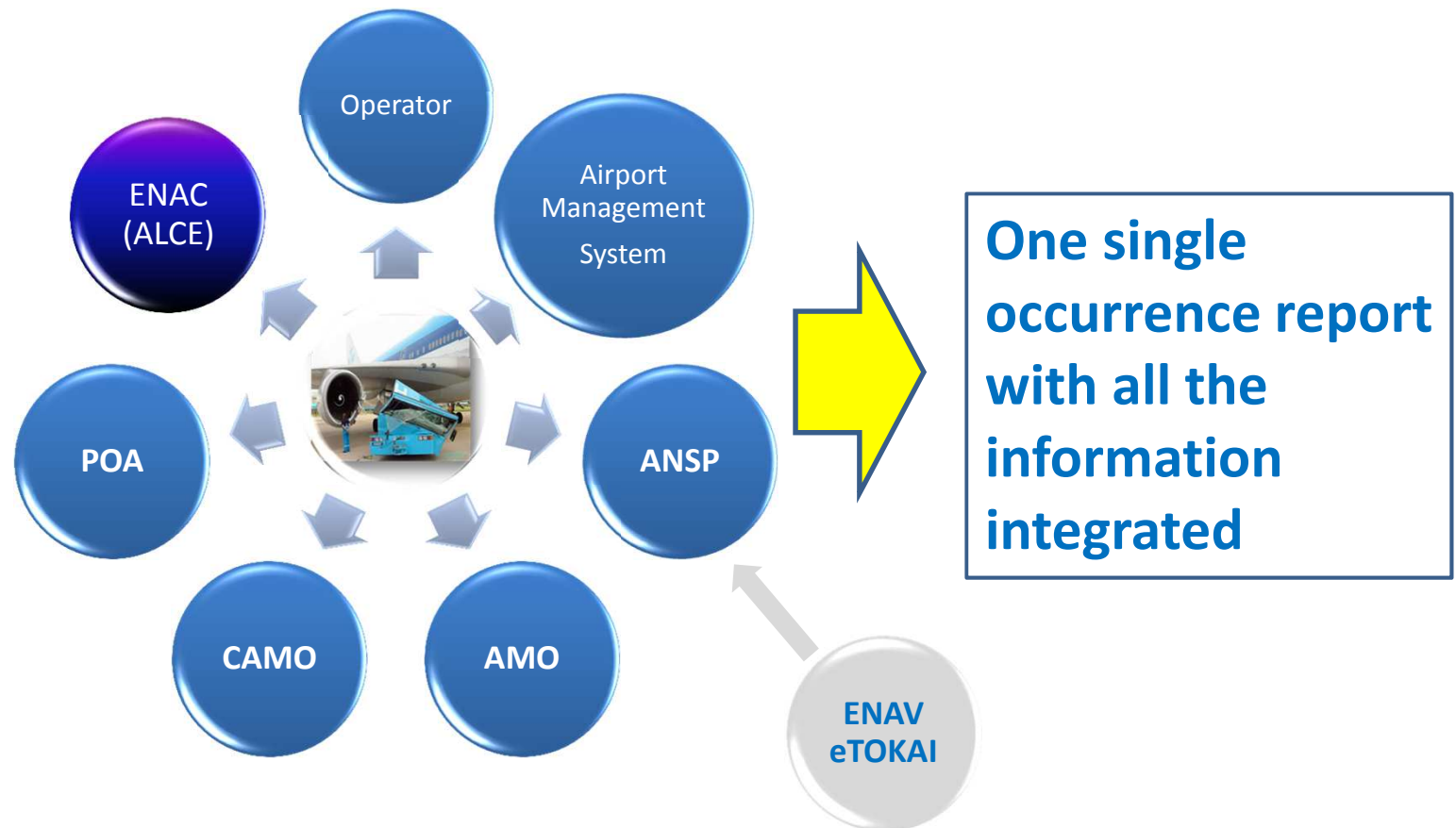
Key points

- Data are entered **directly** by providers (easy updating)

- eE-MOR accepts E5F files provided by commercial softwares

- the system automatically sends emails to acknowledge the receipt and to inform ENAC inspectors

- duplicates are "*merged*" in one single occurrence with a semi-automatically procedure

- flow process is obtained exclusively using Eccairs queries.

eE-MOR – System workflow

eE-MOR – merging process

Operator

Airport Management System

ENAC (ALCE)

POA

ANSP

CAMO

AMO

ENAV eTOKAI

One single occurrence report with all the information integrated

eE-MOR – Improvements

Customized views to make reporting simpler

Safety Function activity

- Occurrence reporting checking
- Ask for correction

Quality check

Merging

- Merging of different reports related to the same occurrence
- Improve data consistency

- Statistical analysis
- SPI definition
- Updating ENAC Safety Plan

Analysis

**The Italian eTOKAI
as BLUE MED «test case»**

BLUE MED
Mediterranean FAB

ENAV

EUROCONTROL

ENAC

Inter-FAB Safety Workshop
Cyprus 21-22.05.2015

Rodolfo VOLPINI (ENAV)
(Italy)
(BLUE MED FAB)

ENAV Occurence Management ... AS-IS (1/2)

➤ Internal reporting (written forms)

➤ Quality check provided by Local Safety Post Holder (exclusive Safety Task only for main ATS Units. Minor resp. **also** for ops.)

➤ Occurence Reports sent to CAA in E4F (file dexter) and (if any) to AIB by email/fax

Internal access to analysis?

ENAV Occurence Management ... AS-IS (2/2)

➤ Safety Internal DB (Open Tokai)

➤ Feedback

  ▪ Hot: 1 to 1

  ▪ Cold: Safety Bulletin- Msg Board- ...

➤ Follow-up and reccom. difficult to link with all related occurrences
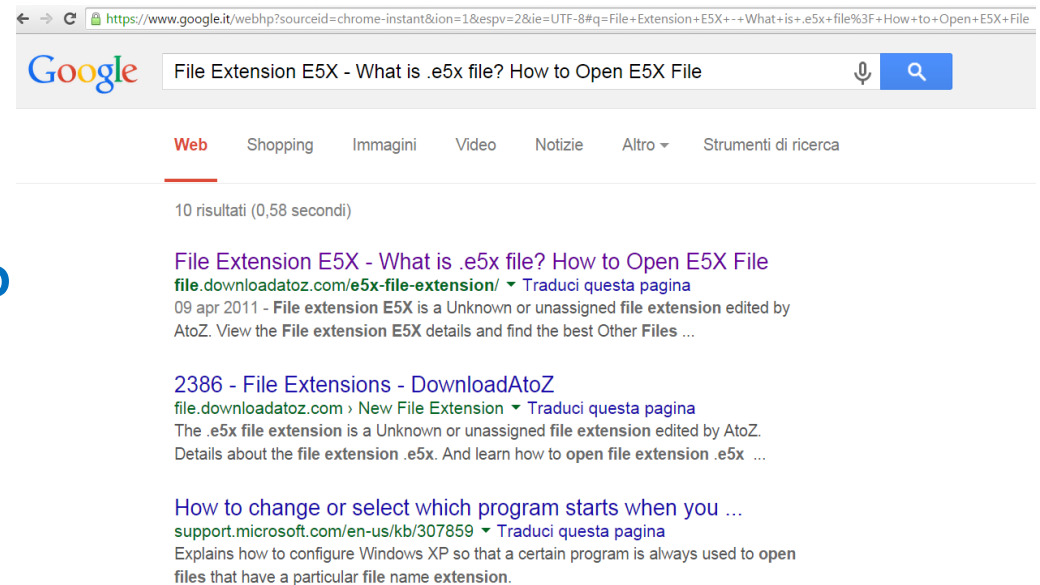
Approaching the 376/14

First 2 tasks... first 2 obstacles

- Reporting in ADREP
- Keeping ECCAIRs updated

Easy solution?

Rischio per la sicurezza bloccato per la protezione degli utenti

La navigazione web viene interrotta poiché il sito visitato appartiene ad una categoria non pertinente con l'attività aziendale e/o per mantenere l'integrità del sistema informativo di ENAV S.p.A.

Per accedere per uso professionale ad un sito internet attualmente bloccato dal sistema occorre inviare alla Funzione Sistemi Informativi Gestionali una richiesta (con l'apposito modulo su E.NAVigare http://rmsal-webint02/enavigare/MODULI/SIG-Modello_AAS.doc) firmata dal richiedente e dal Responsabile della Funzione di appartenenza, con l'indicazione dell'indirizzo internet da abilitare.

Per ulteriori informazioni e supporto, eventualmente contattare l'help-desk informatico ENAV al numero 06-81664444.

Motivo: La seguente categoria Websense è soggetta a filtro: Application and Software Download. I siti Web compresi in questa categoria potrebbero costituire una minaccia per la sicurezza delle risorse di rete o di informazioni riservate e vengono pertanto bloccati da ENAV S.p.A.

URL: http://file.downloadatoz.com/e5x-file-extension/e5x-converter.html

Opzioni: Fare clic su ulteriori informazioni per informazioni sul criterio di accesso.

Fare clic su **Indietro** oppure utilizzare il pulsante Indietro del browser per tornare alla pagina precedente. [Indietro]
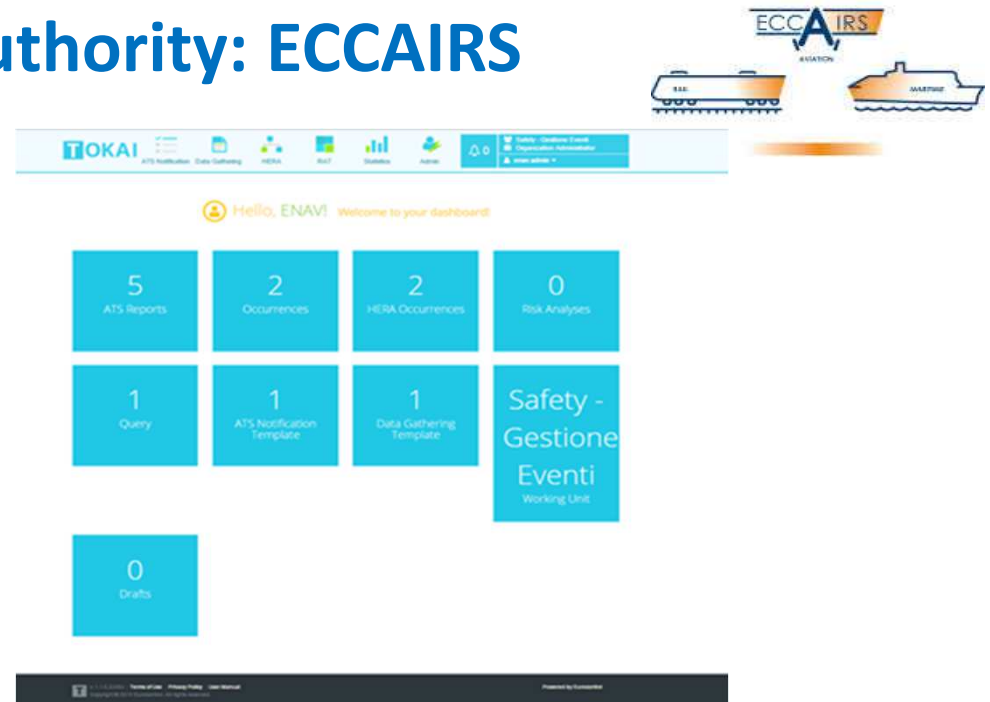
File extension E5F is a Unknown or unassigned **file extension......**find the best

The best for:

- **Competent authority: ECCAIRS**

- **ANSP: Tokai**

the die is cast

We decided to follow a TOKAI 376 approach

TOKAI Plan: Nothingh to teach… rather to learn, from others' experience;

Fase 1 - Preparation: April – July

　　Beg. Jun: first set of custom. requirements

　　Mid Jun:HW & network env. ready, eTOKAI installed

　　31-07-2015 → E-eTOKAI usable

Fase 2 – Investigation: June – Sept

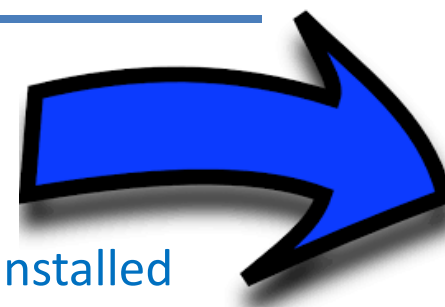　　June – Sept.: testing for classification and investigation

　　30-09-2015 → E-eTOKAI operational use for investigations

Fase 3 – Reporting: July – Oct

　　July – Oct.:　testing for reporting

　　Sept. – Oct.: testing for file tranfer to EeMOR

　　31-10-2015 → E-eTOKAI operational use for SE reporting

Make everyting tOKai

But … What ENAV expect from eTOKAI?

- **Output in ADREP E5F** file to directly feed EeMOR (National Occurrence Repository)
- **Better grant actors' confidentiality**
- **Mitigate perceived barrier** (supervisor)
- Ease **data mining**
- Ease **data exchange** (internal end external)
- **Feedback** to Reporter, Staff and Management
- Consistent **AST input**
- **Future integration** with other system

Were we are?

«LICU TWR,

We are established
on the

***TOK**AILIZER*»

Are we **tOKai**?