RAT &TOKAI
New Architecture

Tony Licu & Florin Cioran
EURCOCONTROL

RAT and TOKAI new developments

EUROCONTROL

RAT and TOKAI AS WEB APPLICATIONS

- Automation of some processes

- Centralize users' information

- User shareable data management

RAT and TOKAI new developments

MOCK-UP

RAT web developments

LOCAL DEPLOYMENT

STANDALONE INSTALLATION AND USE

RAT

Installation

USER

RAT web developments

LOCAL DEPLOYMENT

THE FIRST WAY TO WORK WITH RAT

USER

TOKAI

Windows

Internet Explorer

FireFox

ANSP Corporate

EUROCONTROL

- File1
- File2
- FileN

RISK ASSESSMENT
SAVED FORMS

RAT web developments

REMOTE LOCATION DEPLOYMENT

Information Systems personnel

Deployment

RAT

Internet
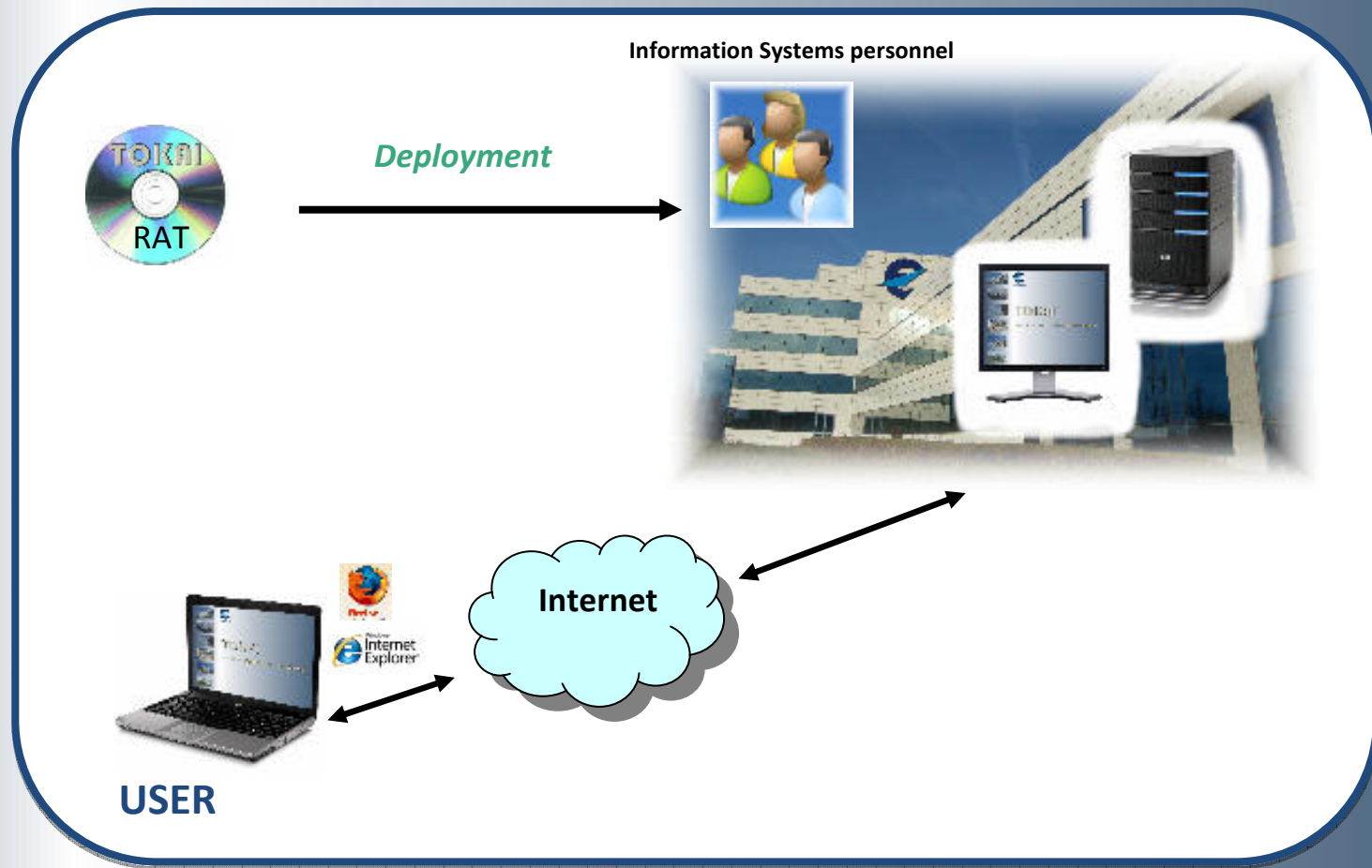
USER

RAT web developments

REMOTE LOCATION DEPLOYMENT

THE SECOND WAY TO WORK WITH RAT

The Public Scope

RAT Web Application

USER

Internet

- File1
- File2
- FileN

RISK ASSESSMENT
SAVED FORMS

DATABASE

User data is NOT stored nor monitorized
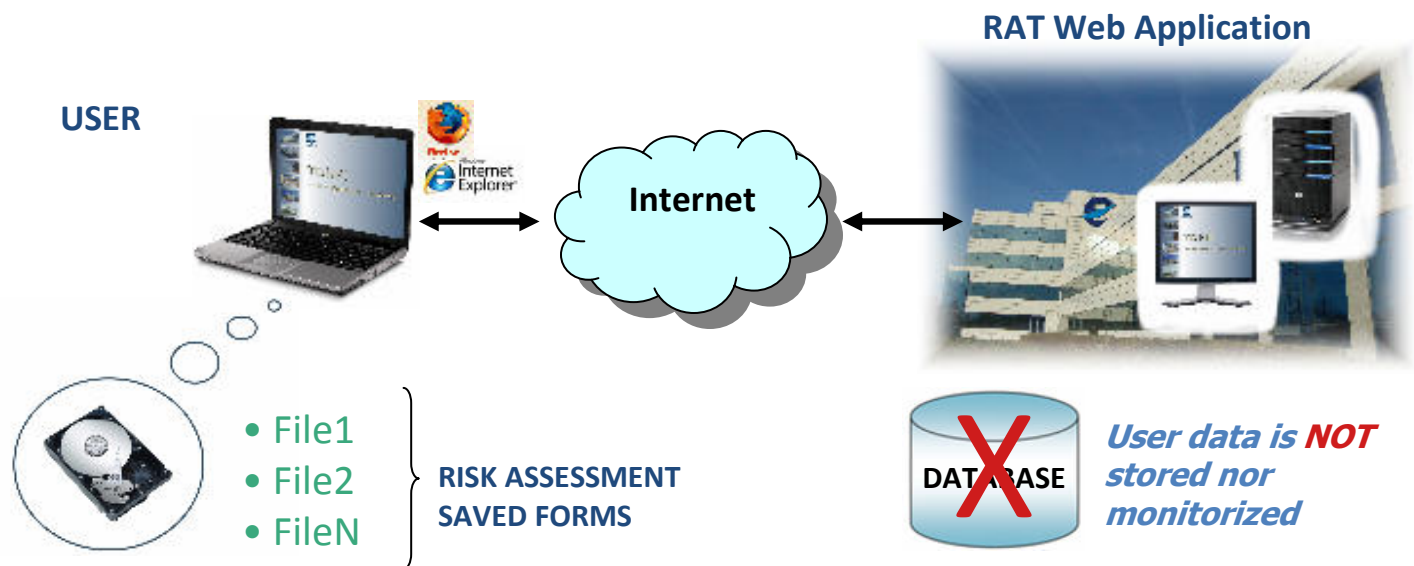
RAT web developments

REMOTE LOCATION DEPLOYMENT

THE SECOND WAY TO WORK WITH RAT

The Private Scope

RAT Web Application

USER

LOGIN

Internet
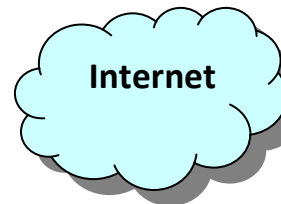
- File1
- File2
- FileN

RISK ASSESSMENT SAVED FORMS

DATABASE

Users can save data in Eurocontrol's Partitioned and Protected database

RAT web developments

ARCHITECTURE - COMPONENTS DESCRIPTION

RAT Components

- USERS
- ROLES
- USERS SAVED FORMS
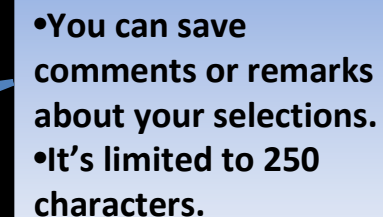- ...

RAT Deliverables as of 1st of January

RAT DELIVERABLES

Two different CD/DVD deliverables:

• For EUROCONTROL:
Design, user manual and deployment documentation.
Software and application components.

• For EUROCONTROL distribution to the users that prefers a standalone installation:
User manual and application installer.

Help is available clicking over some elements, such as sections, subsection and parameters.

Risk Matrix

•You can save comments or remarks about your selections.
•It's limited to 250 characters.

Click to open Causal / Contributing Factors window

Overall ATM and ATM Ground Reliability Indicators with colour degraded progress bars

RAT
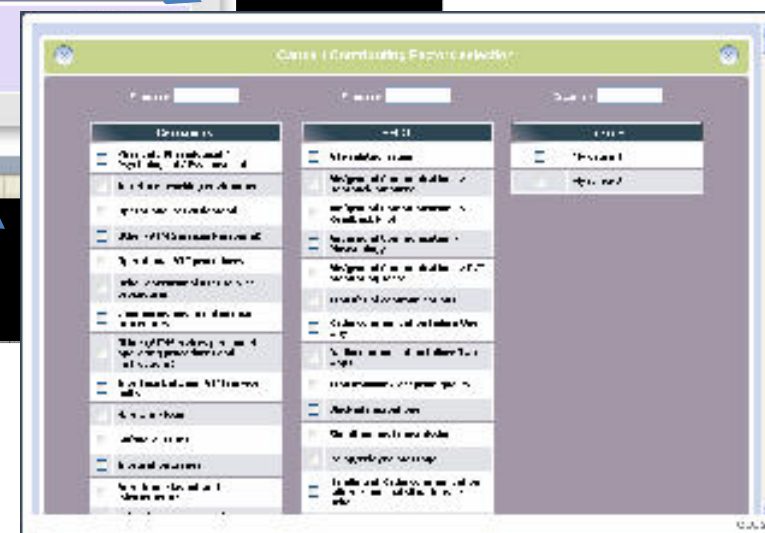
Risk Assessment Tool

Risk Evaluation Grid

AA1	A1	B1	C1	E1	D1
AA2	A2	B2	C2	E2	D2
AA3	A3	B3	C3	E3	D3
AA4	A4	B4	C4	E4	D4
AA5	A5	B5	C5	E5	D5

REPEATABILITY

SEVERITY

☐ ATM

Risk Calculations

ATM Risk	E1

Reliability Indicators

Overall ATM	40%
Ov. Severity	0%
Ov. Repeatability	80%

Save Marksheet Form

ATM specific occurrence

Occurrence Repeatability

Enter the occurrence criterion by selecting the most appropriate options in the drop down boxes below to calculate the severity of the occurrence

Systemic Issues

Comments

Procedures

Equipment

Human Resource Management

Non-Systemic

Other Contributing Factors

Window of Opportunity

SAVE MARKSHEET FORM

You can choose to save the form into a disk file or type a description to save the form into the user's saved forms area.

[Save as File]   [type a description] [Save]

CLOSE

•**Save Marksheet Form into a disk file.**
•**This file will be in XML format.**

•**Save Marksheet Form into the user's saved forms area.**
•**Internally saved into database.**

RAT

Risk Assessment Tool

User Forms Management

Risk Evaluation Grid

AA1	A1	B1	C1	E1	D1
AA2	A2	B2	C2	E2	D2
AA3	A3	B3	C3	E3	D3
AA4	A4	B4	C4	E4	D4
AA5	A5	B5	C5	E5	D5

REPEATABILITY

SEVERITY

☐ ATM

Risk Calculations

ATM Risk	E1

Reliability Indicators

Overall ATM	40%
Ov. Severity	0%
Ov. Repeatability	80%

ATM specific occurrence

Enter the ... below to calculate ...

USER FORMS = 5 marksheet forms

SEARCH:

	ACTION		MARKSHEET FORM DESCRIPTION	DATE
1	📁	❌	My Marksheet Form - More than one aircraft	2010-11-22
2	📁	❌	Incidence #2334	2010-11-24
3	📁	❌	Incidence #8762	2010-11-24
4	📁	❌	Incidence #1232	2010-11-24
5	📁	❌	Incidence #5432	2010-11-24
	ACTION		MARKSHEET FORM DESCRIPTION	DATE

Click to Open selected User Form

Click to Delete selected User Form

CLOSE

Click to hide / show left panel

Questions ?

Demo