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# EUROCONTROL SAFETY TOOLS

## Integration

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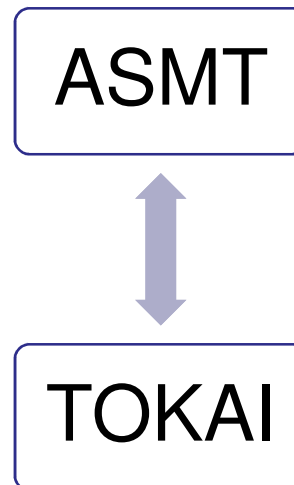
## What we understand by integration?

- EUROCONTROL applications that share data and communicate:
  - To improve the quality and meaning of collected data
  - To help users take better decisions based on enhanced data
  - To assist in decision-making

More added  
value

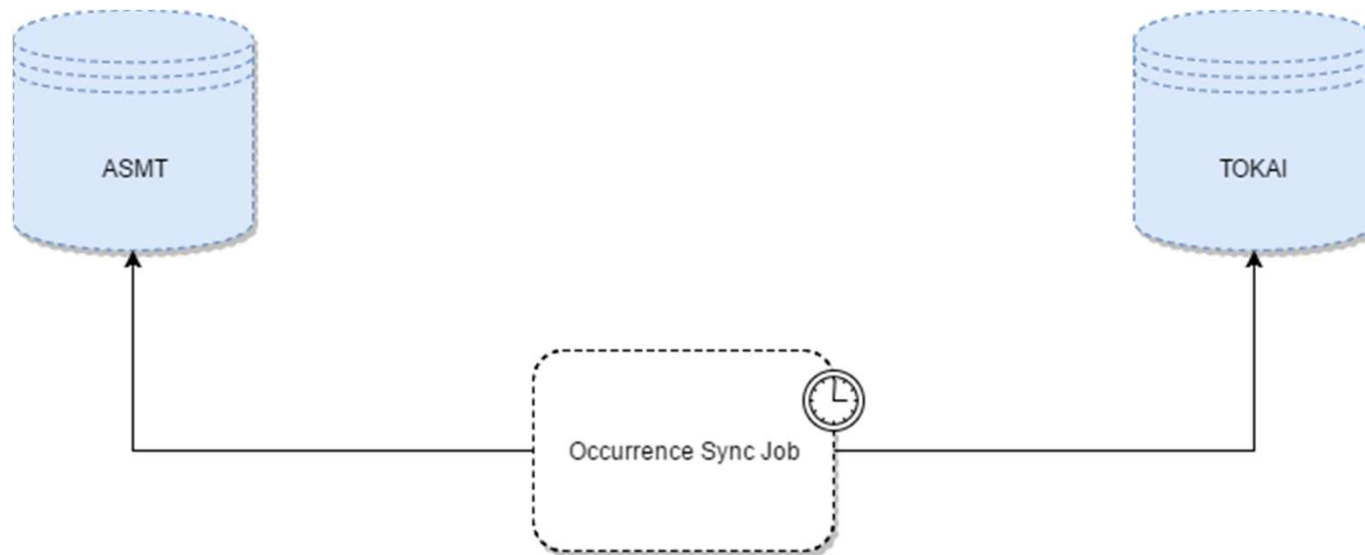
## What we have today (available in ASMT 5)

- Basic integration between ASMT and TOKAI:
  - From ASMT, if occurrence is reported in TOKAI, the user can navigate directly to the report to fill in data or to view it
  - From TOKAI report, user can navigate to replay page of ASMT



## How does it work?

- A background process matches and links occurrences collected automatically by ASMT with occurrence reports in TOKAI
  - Call Signs
  - Mode-A codes
  - Date and time



# Demo



Connected with e-tokai

asmt	Inventory	Configuration	Statistics	User management	Technical Watch	asmt-manager
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ImportClear filtersPeriod filterAll

INVENTORYRefreshNo new occurrences

	Id	Type	ModeA	CallSign	Rules	Traffic	Sector	Date	ReL	Risk	MinFL	CPA HS	CPA VS	Duration	H Prof	V Prof	HROC	VROC	
	816	ALT	2630	BAW16H	IFR	GAT	N/A	08/11/2015,06:51	R	0	FL 359	-10000 Nm	-10000 ft	96 sec	N/A	N/A	N/A	N/A	ReplayOpen Tokai
	809	ALT	2630	BAW16H	IFR	GAT	N/A	08/11/2015,06:42	R	0	FL 344	-10000 Nm	-10000 ft	243 sec	N/A	N/A	N/A	N/A	ReplayOpen Tokai
	805	ALT	2020	RYR522Z	IFR	GAT	N/A	08/11/2015,06:36	R	0	FL 380	-10000 Nm	-10000 ft	243 sec	N/A	N/A	N/A	N/A	ReplayOpen Tokai
	802	ALT	2620	RYR522Z	IFR	GAT	N/A	08/11/2015,06:31	R	0	FL 380	-10000 Nm	-10000 ft	244 sec	N/A	N/A	N/A	N/A	ReplayOpen Tokai
	795	ALT	2612	DLH3LY	IFR	GAT	RUHR_N	08/11/2015,06:09	R	0	FL 319	-10000 Nm	-10000 ft	244 sec	N/A	N/A	N/A	N/A	ReplayOpen Tokai
	792	SMI	2207 - 6426	N/A - N/A	IFR - IFR	GAT - GAT	N/A	08/11/2015,06:07	R	1	FL 350	0.26 Nm	1000 ft	40 sec	Acute	Parallel	864 kn	0 ft/min	ReplayOpen Tokai
	790	SMI	2207 - 6141	N/A - N/A	IFR - IFR	GAT - GAT	N/A	08/11/2015,06:07	R	1	FL 350	1.78 Nm	1000 ft	36 sec	Acute	Parallel	780 kn	0 ft/min	ReplayOpen Tokai
	781	ALT	5435	WZZ172A	IFR	GAT	RHEIN_SAALE	08/11/2015,05:38	R	0	FL 340	-10000 Nm	-10000 ft	68 sec	N/A	N/A	N/A	N/A	ReplayOpen Tokai
	782	ALT	2636	WZZ1DH	IFR	GAT	N/A	08/11/2015,05:34	R	0	FL 344	-10000 Nm	-10000 ft	243 sec	N/A	N/A	N/A	N/A	ReplayOpen Tokai
✓	829	SMI	5633 - 7115	N/A - N/A	IFR - IFR	GAT - GAT	RHEIN_NATTENHEIM	07/11/2015,07:13	R	1	FL 350	4.56 Nm	1050 ft	12 sec	Head on	Parallel	212 kn	-56 ft/min	ReplayOpen Tokai



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## Other ideas for integration

- Help Tokai users by automatically filling in information like
  - Occurrence position
  - Risk of collision (for SMI)
  - Rates of closure
- Help Tokai users capture snapshots (pictures) of an existing occurrence directly from ASMT
- Aggregate information from both tools in a **safety intelligence tool** to assist in decision making

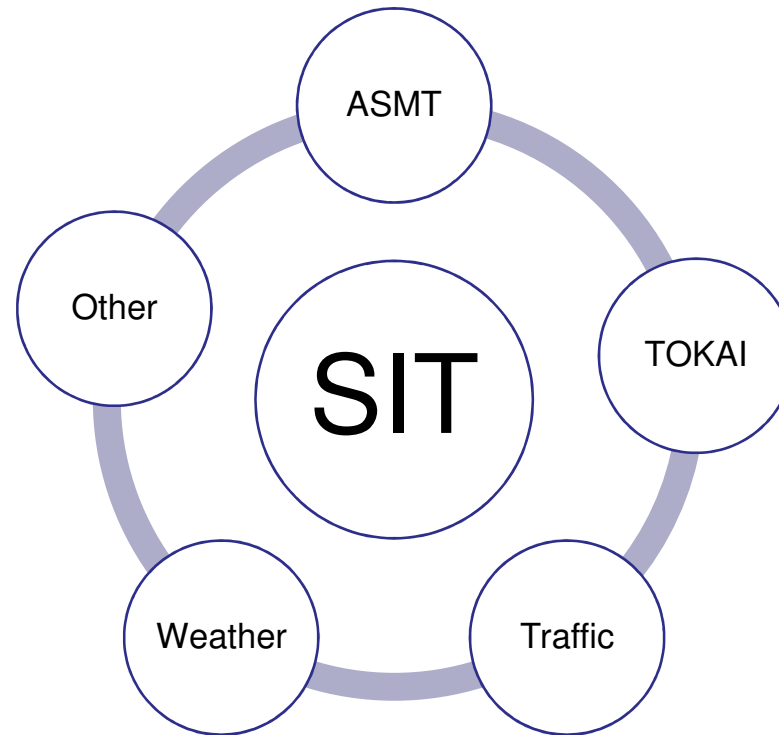
## Other ideas for integration

- Help Tokai users by automatically filling in information like
  - Occurrence position
  - Risk of collision (for SMI)
  - Rates of closure
- Help Tokai users capture snapshots (pictures) of an existing occurrence directly from ASMT
- Determine the organization level of reporting
- Aggregate information from both tools in a **safety intelligence tool** to assist in decision making

# Safety Intelligence



- Collect and enhance data from multiple sources in order to offer meaningful and useful information for the end-user



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