



Link AFT – EAM EN-CV proposal

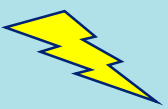
S. Deval – EN/CV

2024-11-08

	AFT fault	EAM Logbook event	EAM Hxgn work order(s)
	<ul style="list-style-type: none"> • Collect fault affecting Machines and Experiments • Measure downtime • Assess the group responsible for the fault 	<ul style="list-style-type: none"> • Keep track of investigations • Associated document, pictures,.. • Degraded mode • Equipment • Cause • Action plan definition • Actions follow-up 	<ul style="list-style-type: none"> • Detail about a specific intervention • Number of hours spent • Invoicing • Spare parts • ..

Creation	CCC-PS, SPS, LHC, Experimental areas control rooms	CCC-TI and EN-CV staffs	CCC-TI and EN-CV staffs
Filling	Automatic filling from EAM Logbook	EN-CV staffs	EN-CV staffs and CV contractors

Machines control rooms or Experiment control rooms (CCC-PS, CCC-SPS, CCC-LHC, Isolde control room,..)



Fault potentially linked to infrastructure

Create AFT faults with the suspected equipment in agreement with TI

Infrastructure control room (CCC-TI)

Check problem alarms

Create an Event for TIOC analysis linked to the AFT fault

Equipment expert (AA, ACE, CV, EL, HE)

Request modification of attribute

Fault confirmed for the equipment

Pass to status Fault reviewed

AFT Working Group

Assess equipment responsible in collaboration with groups concerned, and TIOC

Contact TI

Contact Machines / Exp

Automatic notification

Yes

No

Yes

Machines control rooms or Experiment control rooms (CCC-PS, CCC-SPS, CCC-LHC, Isolde control room,..)

Fault potentially linked to infrastructure

Contact TI

Infrastructure control room (CCC-TI)

Check problem alarms

Contact Machines / Exp

Create AFT faults with the suspected equipment in agreement with TI

Automatic notification

Equipment expert (CV, EL, HE)

Request modification of attribute

No

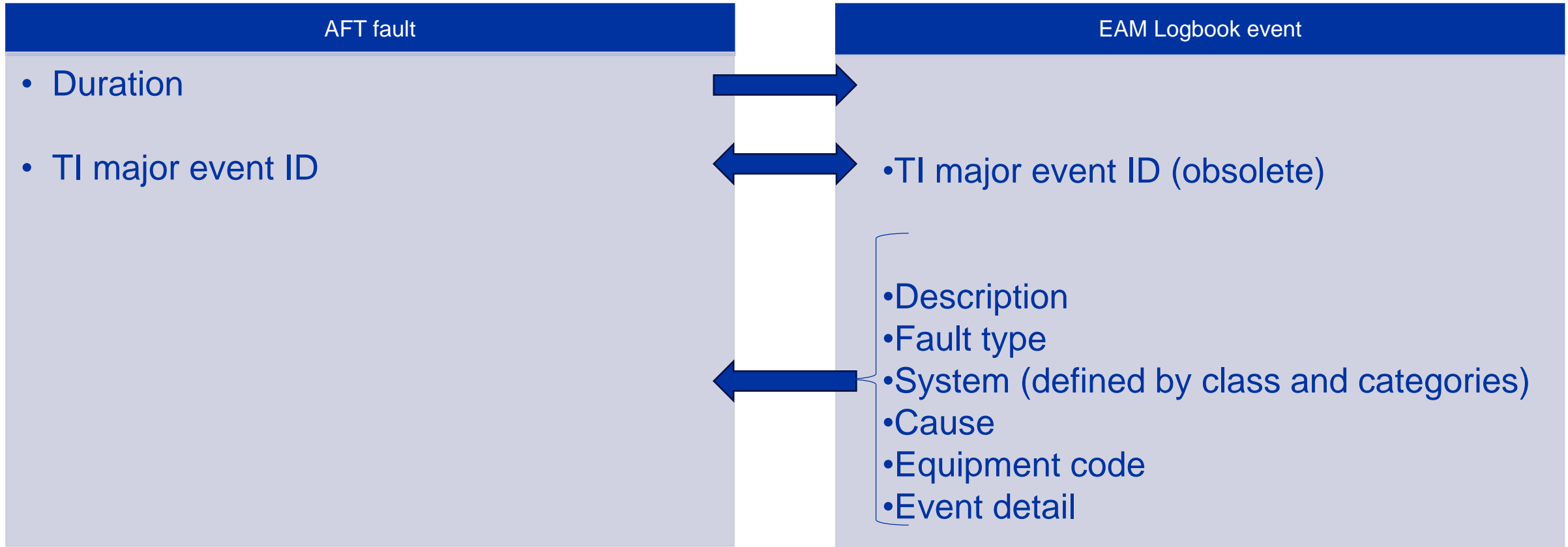
Fault confirmed for the equipment

Yes

- Change the status of AFT Fault (reviewed)
- Fill the logbook event (filling automatically the AFT)
- Create additional work orders
- Define action plan (followed at the TIOC)

AFT Working Group

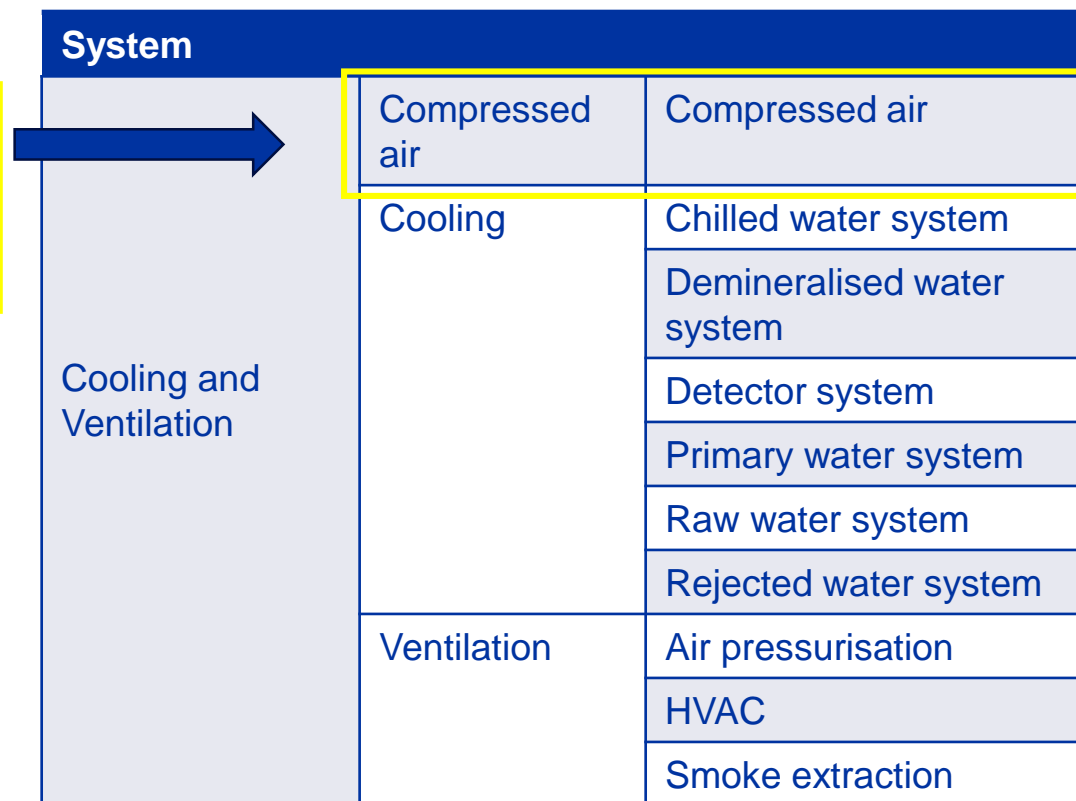
Assess equipment responsible in collaboration with groups concerned, and TIOC



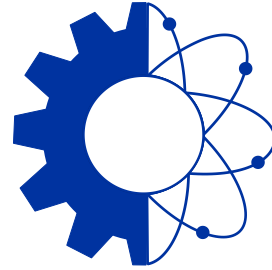
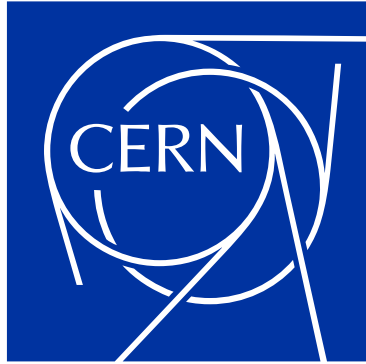
Same request as EL : Possibility to link EAM logbook to several AFT faults

System definition

Category	Description	Code Systeme	Code Fonction	Class
FSGACP	Systeme General Production Air Comprime	F\$G	AC	FSYSG
FSGACD	Systeme General Distribution Air Comprime	F\$G	AC	FSYSG
FSGACPD	Systeme General Production et Distribution Air Comprime	F\$G	AC	FSYSG
FSACP	Station Production Air Comprime	F\$S	AC	FSYS
FSACD	Station Distribution Air Comprime	F\$S	AC	FSYS
FSACPD	Station Production et Distribution Air Comprime	F\$S	AC	FSYS
FSGBRP	Systeme General Production Temper - Brine	F\$G	BR	FSYSRG
FSGBRD	Systeme General Distribution Temper - Brine	F\$G	BR	FSYSRG
FSGBRPD	Systeme General Production et Distribution Temper - Brine	F\$G	BR	FSYSRG
FSBRP	Station Production Temper - Brine	F\$S	BR	FSYSR
FSBRD	Station Distribution Temper - Brine	F\$S	BR	FSYSR
FSBRPD	Station Production et Distribution Temper - Brine	F\$S	BR	FSYSR
FSGEBP	Systeme General Production Eau Brute	F\$G	EB	FSYSG
FSGEBD	Systeme General Distribution Eau Brute	F\$G	EB	FSYSG
FSGEBPD	Systeme General Production et Distribution Eau Brute	F\$G	EB	FSYSG
FSEBP	Station Production Eau Brute	F\$S	EB	FSYS
FSEBD	Station Distribution Eau Brute	F\$S	EB	FSYS
FSEBPD	Station Production et Distribution Eau Brute	F\$S	EB	FSYS
FSGEBOD	Systeme General Distribution Eau Boree	F\$G	EBO	FSYSRG
FSGN2PD	Systeme General Production et Distribution Azote	F\$G	N2	FSYSRG
FSEBOD	Station Distribution Eau Borée	F\$S	EBO	FSYSR
FSN2PD	Station Production et Distribution Azote	F\$S	N2	FSYSR
FSGECRL	Systeme General Relevage Eau Claire	F\$G	EC	FSYSG
FSGECRJ	Systeme General Rejet Eau Claire	F\$G	EC	FSYSG



- 164 Categories in EAM
- Not all categories concerning the Machines
- Need a review of the AFT system



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DEPARTMENT**

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Work Order Workflows

