Interaction of ST & TIS in matters of safety

- ***Mandate & Organisation***
  - ***Interactions***
- ***Basis for cooperation***

Ralf Trant, General Safety group

Mandate of ST division: extract

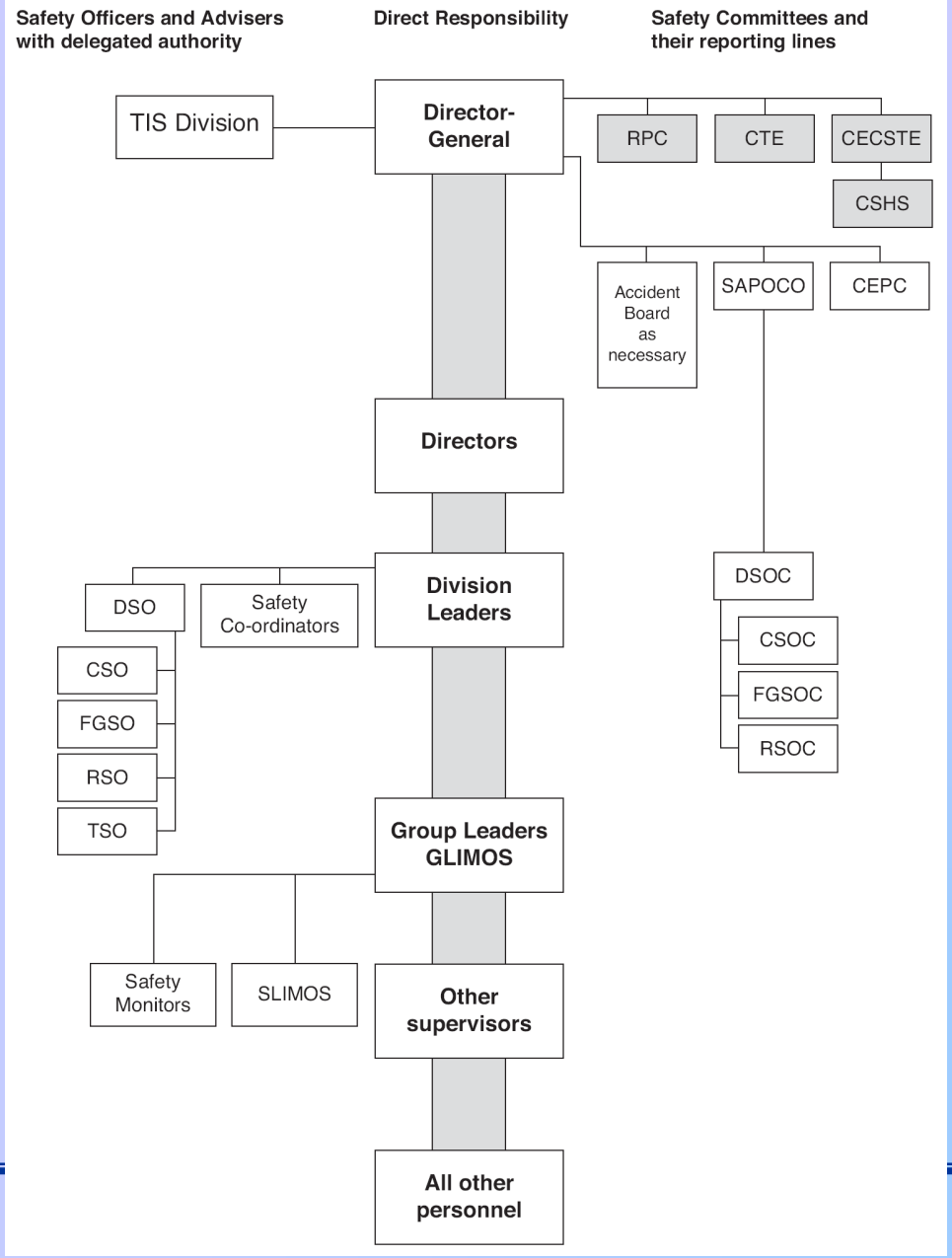
"… The ***fields of activity*** are civil engineering, ventilation and cooling by water and air, power distribution from 400 kV to low voltage, heavy handling and transport, access control for accelerators and sites, *safety equipment* and monitoring of the technical infrastructure. …

ST Division is also responsible for the ***management of general services*** related to buildings and related facilities, such as heating, air conditioning and low voltage electrical systems, including security, cleaning and green area maintenance."

[Mandate taken from ST homepage]

Organisation of Safety at CERN

« …any supervisor or project leader has a direct responsibility for all safety matters related to his duties or project …»



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Mandate of TIS division: extract

"The mandate of the TIS Division is to *assist the Director-General* in *exercising* his *overall responsibility for safety* in the Organization

…

Except in the special cases, the TIS Division acts only to advise and possibly warn the *supervisors*, who *retain their authority to take decisions in the proper performance of their safety duties*

…

In its monitoring and auditing operations, the TIS Division must be convinced that all safety aspects have been taken into account and it must give the supervisors its comments on the proposed measures.

…

executive duties … in the fields of radiation protection, fire-fighting and prevention, mechanical and electrical inspections, the control of chemical hazards and pollution, occupational health, medical prevention and emergency medical care…." *[TIS homepage]*

⇒ *e.g. drawing up & circulating regulations or monitoring & stimulating safety operations*

Technical Inspection and Safety

Leader :	W. WEINGARTEN	76615
Deputy, Environment and INB:	M. Bona	73439
Secretariat/DAO:	A. Vignes	75097
DPO:	A. Kerhoas	72274
LHC Safety:	R. Trant	79676

INTEGRATED SAFETY & ENVIRONMENT (IE)
M. BONA 73439
☎ L. Jacquet –73375

Deputy: P. Vojtyla	
Environment (IE-EN):	73893
P. Vojtyla	
Safety Training and Accident Prevention:	72274
A. Kerhoas	
TIS Informatics Service:	73269
G. Segura-Millan	

MEDICAL SERVICE (ME)
Dr V. FASSNACHT 73156
☎ F. Rabier, M. Bol –7186

Deputy: Dr E. Reymond	74166
Infirmary/First-aid:	73802 73476
Laboratory: N. De Matos	72198

GENERAL SAFETY (GS)
R. TRANT 79676
☎ C. Negri –74860

Deputy: F. Szoncso	77165
Chemistry, Gas &	
Industrial Hygiene (GS-CG):	78526
J. Gulley	
Safety Inspections & Ergonomy (GS-SI):	79629
M. Vadon	
Contractors Safety: C. Pividori	76605
Electrical Safety & Non-Ionising Radiation (GS-ES):	77165
F. Szoncso	
Fire Prevention (GS-PI):	79973
F. Corsanego	
Mechanical Safety (GS-MS):	78417
A. Desirelli	
Safety Technologies: C. W. Nuttall	75856

RADIATION PROTECTION (RP)
H. MENZEL 78536
☎ J. Madden –72156

Deputy: M. Silari	
Radiation Control SPS, LHC, CNGS (RP-SL):	74581
D. Forkel-Wirth	
Radiation Control PS (RP-PA):	73937
M. Silari	
Project Coordination (RP-CP):	74623
G. Stevenson	
Isolde and Dosimetry (RP-ID):	73272
T. Otto	
Radioactive Waste Management (RP-RW):	72251
C. Lamberet	
High Level Dosimetry:	73717
M. Tavlet/ N. N.	
TIS Instrumentation and Logistics Service(RP-IL):	72158
D. Perrin	

FIRE BRIGADE (FB)
E. P. DOEBBELING 76660
☎ N.N. –79236

Emergencies – Fire/ Ambulance:		74444
Deputy:	H. Bont	76652
Control Room:		74848
Duty team leader:		76655
Duty officer:		74848
Operations:	H. Bont	75031
Administration:	M. Chataigneau	76664
Logistics:	S. Baudet	76653
Intervention Plans:	A. Dumur	75031
Training:	C. Griggs	76212
Safety course organisation:		76664
Extinguishers:		76653

DTO:	M. Tavlet
WEB Mater (deputy):	M. Vadon (Y. Donjoux)
EDMS Master (deputy):	Y. Donjoux (M. Vadon)
DSO (deputy):	T. Otto (C. Pividori)
RSO:	M. Silari
CSO:	B. Delille
FGSO:	J. Gulley

Nature of interaction

ST is an *executing unit* with a wide range of activities & managing responsibility for general services

&

TIS has *monitoring, advisory* & some executive duties

⇓

TIS-ST *interactions* are by definition very *extensive*

&

Fruitful interaction is essential for CERN

ST-TIS interactions

ST / TIS	CE	CV	DI	EL	FM	HM	MA
FB		√			√	√	√
GS	√	√	√	√	√	√	√
IE	√	√	√		√		√
ME			√		√		
RP	√	√	√		√	√	√

↘

ST / GS	CE	CV	DI	EL	FM	HM	MA
CG	√	√	√		√	√	√
ES	√	√	√	√	√		√
MS		√			√	√	
PI	√	√	√	√			√
SI	√	√	√	√	√		√

I apologize for possible errors

Examples

- **Safety Control Room–Technical Control Room**
  - » *Close collaboration in between ST-MA & TIS Fire Brigade*
  - » *Service Piquet Technique for interventions where necessary*
- **Alarm systems**
  - » *Reception tests or identification of false alarms, ST-MA & TIS Fire Brigade & TIS General Safety*
- **Water network or smoke extraction system for fire fighting**
  - » *ST-CV & TIS Fire Brigade & TIS General Safety*
- **Chlorine storage** (SIG sites)
  - » *Following recent misunderstandings improved communication in both direction in between ST-CV & TIS General Safety*

Examples

- **Periodival safety inspections**
  - » *ST-TSOs & ST-DSO with TIS inspectors*
- **Cables**
  - » *For cable types, vicinity or EMC professional contact in between ST-EL & TIS General Safety*
- **Lifting equipment**
  - » *ST-HM & TIS General Safety*
- **Identification & disposal of asbestos**
  - » *Close collaboration in between ST-CE/FM & TIS General Safety*

Basis for cooperation

- ***Communication*** (examples for individuals & committees)
  - » ST-DSO & ST-TSOs with TIS inspectors
    - specific & fast both way is the common aim
  - » Safety co-ordination, see talk C. Pividori
  - » AIWG (ST-MA & TIS-RP & TIS-GS)

- ***Coordination*** (examples for projects)
  - » Ramses (ST-MA & TIS-RP & TIS-GS)
  - » CSAM (ST-MA & TIS-RP & TIS-GS)

- ***Planning***
  - » MSs & TSs (or FSs/ESs) and projects
    early involvement allows rather « *positive* » than « *negative* » feedback
  - » Training needs for CERN staff & contractors
  - » Reception & commissioning of bldg's or equipment
    involvement of TIS generalists & specialists

A final remark

« As newcomer » at your ST workshop

and head of the General Safety group

I'm looking forward
to the future of our cooperation