

General Status

Last group meeting was Feb ...

The Tollgate 2 reviews have fully occupied time in between

Tollgate 2, ICANS and ICNS



- Tollgate 2 reviews are mostly over
- There are 3 or so left ...
- Detector choices are mostly reasonable and we are engaged in most projects
- More than half instrument projects are asking us for effort
- Our role in instrument projects will change.
- We need to enable them to realise detectors
- This will take a different form for each instrument
- From ICANS in April and ICNS in July the community reaction to us has changed
- We are accepted as part of the community
- This makes operating and every day work much easier for everyone
- *Keep up the good work*
- *Work as a team*
- Everyone remember that your actions make an impression internally or externally: you represent the detector group in what you do

Early Operations, Operations Funding

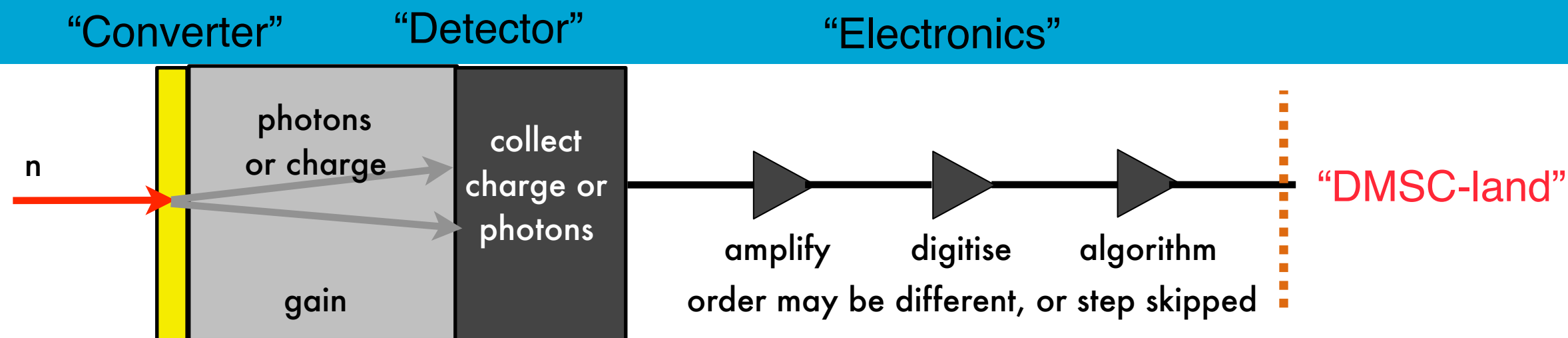


- Early operations and operations: Andreas gave details of process at last science directorate meeting
- Watch slides in intranet if interested
- For detector group, no change expected at the moment
- More reviews coming up ...

2017

- *This year is a year of change: emphasis is not development but ACTUALISATION and REALISATION*
- *Change is tough*

Schedule of Key Activities



2011	2012		2013	2014		2015	2016	2017
Coatings	Detector Conceptual Designs		Detector Prototype Designs	Strategy for Instruments, Instrument Designs		People, workshops and facilities, Instrument Designs	Electronics	Instrument Detector Design
							ICS/DMSC	Electronics
							Instrument conceptual design	ICS/DMSC
								Construction
2018	2019	2020	2021	2022	2023	2024	2025	
Electronics /ICS/DMSC	Design	Construction	Construction	Construction	Installation	Installation	Installation	
Design	Constructio n	Installation	Installation	Installation	Commissionin g	Commissioning	Commissioning	
Constructio n	Installation	Commissionin g	Commissionin g	Commissionin g	Operation	Operation	Operation	

Key Activities for Coming Year



- Support phase 1, phase 2 work for all instruments
- Detailed design work for ESTIA, CSPEC, *DREAM*, SKADI and NMX (maybe all first 8? +LOKI, BEER, BIFROST, MAGIC+ODIN?)
- Brightness, SINE2020 and SoNDE design work for ESS Instruments
- Guidelines for Beam Monitors
- Baseline for detector electronics, physical items, interfaces
- Definition of DG-DMSC and DG-ICS interfaces. First interfaces demonstrated
- VMM on prototypes (Gd-GEM+MG)
- ICS for Slow Control
- Design processes (prototypes/instruments) and Documentation
- Mechanical Cost of production (cost optimisation)
- Technical **Support** to prototypes and construction and instruments (labs and services)
- **Detector Teams for each instrument**
- Strengthen collaborations for delivering detectors for ESS instruments
- A Pre-Ops model

Risks

Risks associated with detector delivery tracked with comprehensive backup plan with critical decision dates

Top risks are external to detector systems

MITIGATED

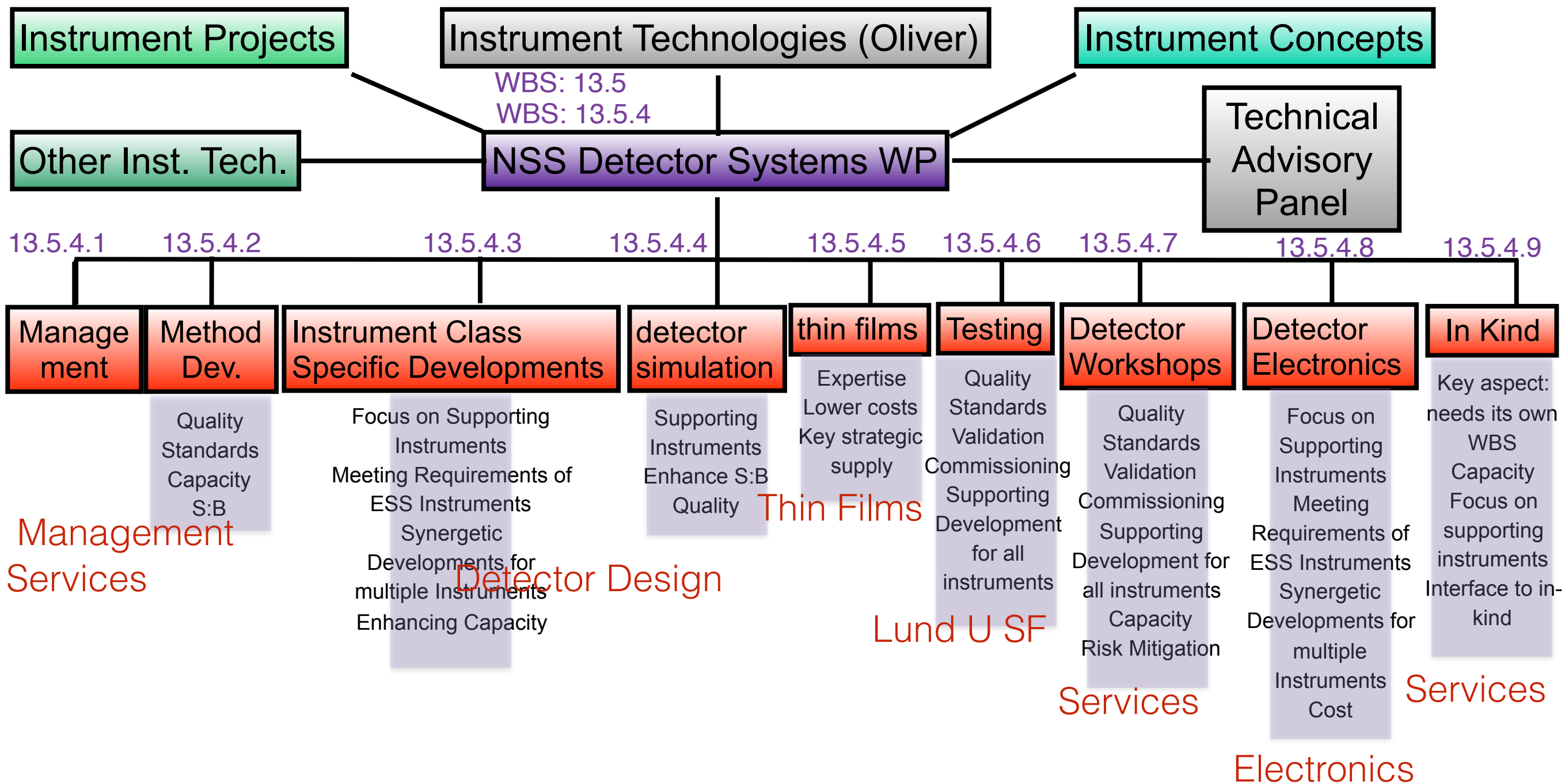
Risk	Affects	Description	Mitigation
Delays in starting in-kind	Electronics; DMSC + ICS interface ; instruments design	Delays due to unclear process	Attention to most critical items (starting to resolve)
Departure of key persons	Schedule	Departure caused by uncertainty, conditions, or lack of action	Risk raised to project management
“Administrative headwind”	All in-house activities	Overhead on all activities: optimisation needed	Risk raised to project; high reliance on in-kind
Project Process: lack of organisational certainty:	Schedule and cost	Schedule delays and inefficiency introduced from changes	Risk raised to project

Main mitigation is open frank collaborative environment to solve problems together

Good reviewed plan, in-kind resources, committed partners, excellent people exist: just need to execute it!

Sections

Organisation and Work Breakdown Structure: Addressing the challenges



Detector Group Organogram (until early 2016)

Division Head: Oliver Kirstein
Deputy Division Head: Richard Hall-Wilton

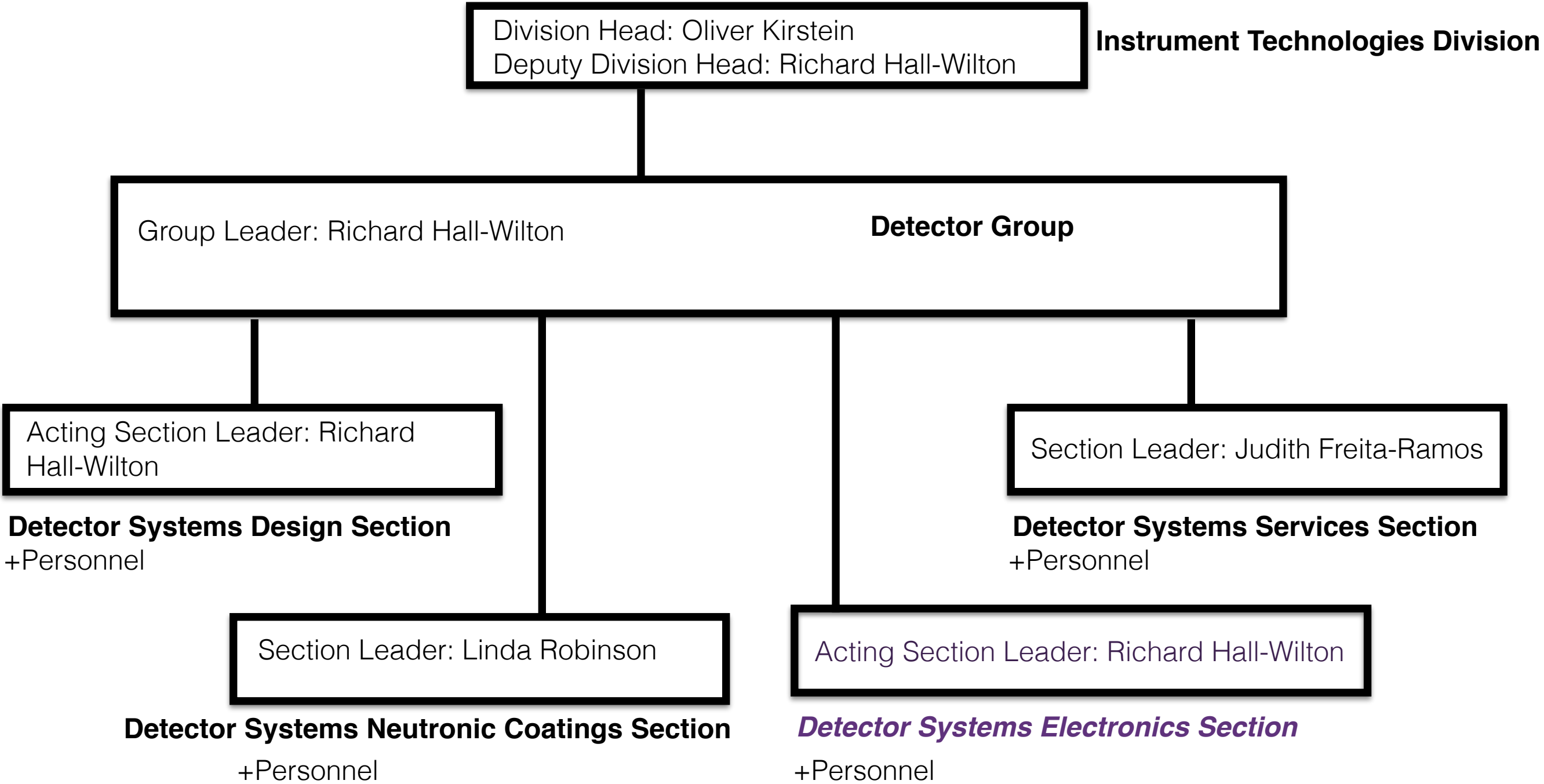
Instrument Technologies Division

Group Leader: Richard Hall-Wilton
Deputy Group Leader: Scott Kolya
Deputy Project Manager: Judith Freita-Ramos

Detector Group

+Personnel

Detector Group Organogram (now)



Sections have a role through to operations