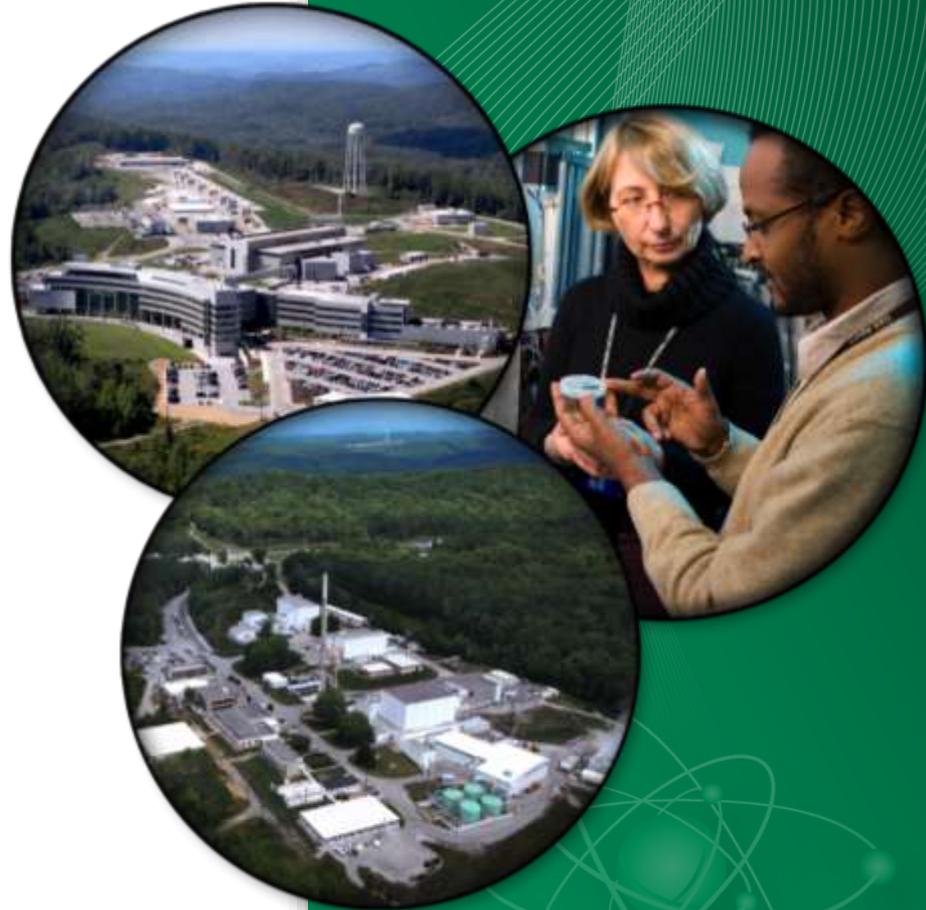


# Accelerator Operations Scope

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Accelerator Advisory Committee

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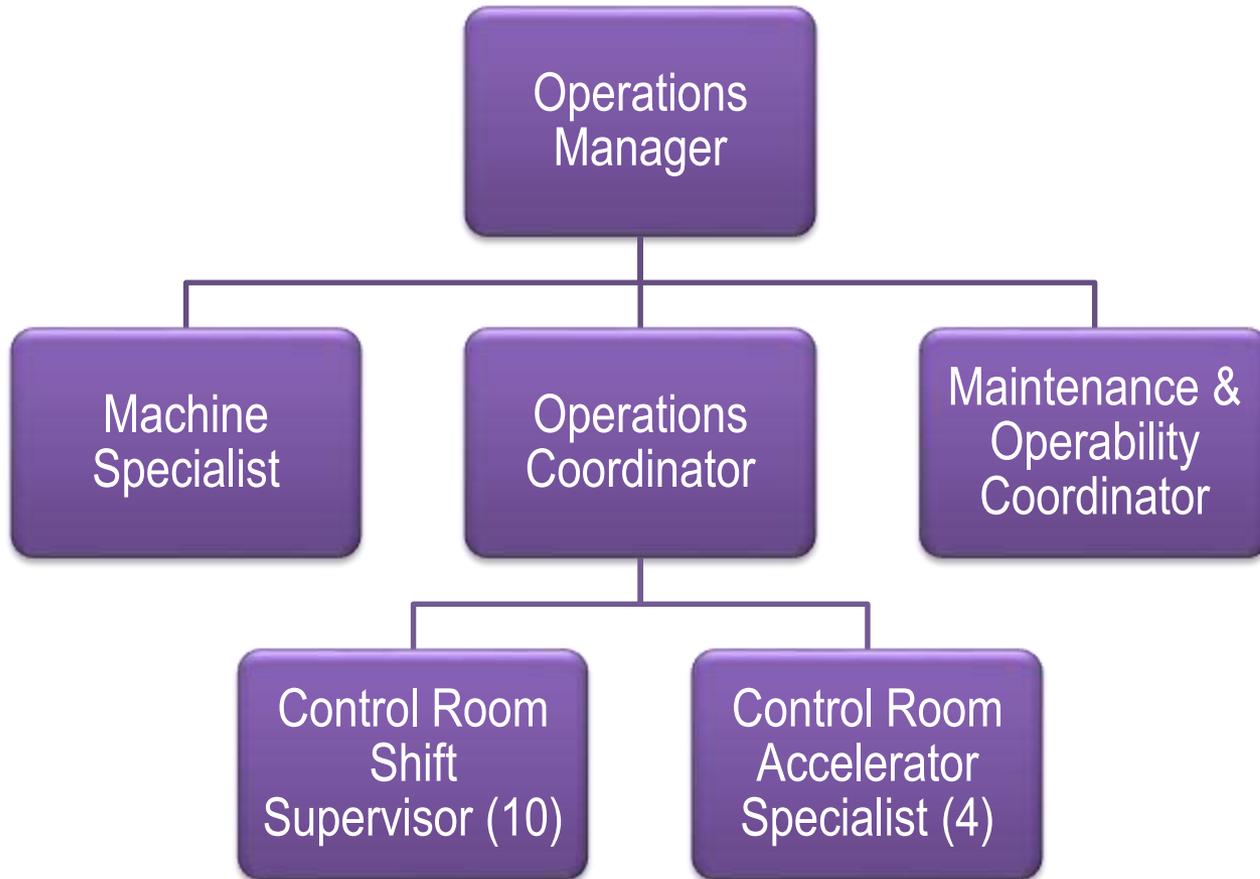
# Scope of Accelerator Operations Group

- Safe, efficient, and effective operation of the SNS facility within the Operations and Accelerator Safety Envelopes (control room coverage - 24 hours/day, 365 days/year)
- Beam tune-up and documentation, partner with AP for continuous tune improvement
- EPICS screen development for control room use
- Manage and maintain alarm handler
- Perform Search and Secure functions for accelerator tunnels prior to beam operations
- Serve as Test Director for certain Credited Engineered Controls (CEC) certification procedures
- Provide accelerator tunnel access training
- Maintain SNS Operations Procedures Manual (OPM) – OPM Editor function
- Compile downtime accounting metrics – downtime analysis
- Machine Health Report – systems performance analysis, tracking and trending

# Organization Chart (18 members)

FY13 Budget – \$4.3M Labor + \$20.5K M&S

- Average FTE cost ~ \$240K



Position Type	#
Management	12
Professional	2
Technician	4

# Shift schedule defined by 5-crew, 5-week rotation

	M	T	W	Th	F	Sa	Su	M	T	W	Th	F	Sa	Su	M	T	W	Th	F	Sa	Su	M	T	W	Th	F	Sa	Su		
CRSS		N	n			N	n	N			N	n			D	d			D	d	D			D	d					
CRSS		n	N			n	N	n			n	N			d	D			d	D	d			d	D					
CRAS		n	n			n	n	n			n	n			d	d			d	d	d			d	d					
CRSS	T	T	T	T				N	n			N	n	N				N	n				D	d			D	d		
CRSS	T	T	T	T				n	N			n	N	n				n	N				d	D			d	D		
CRAS	T	T	T	T				n	n			n	n	n				n	n				d	d			d	d		
CRSS	D			D	d			T	T	T	T				N	n			N	n	N			N	n			D	d	
CRSS	d			d	D			T	T	T	T				n	N			n	N	n			n	N			d	D	
CRAS	d			d	d			T	T	T	T				n	n			n	n	n			n	n			d	d	
CRSS		D	d			D	d	D			D	d			T	T	T	T					N	n			N	n		
CRSS		d	D			d	D	d			d	D			T	T	T	T					n	N			n	N		
CRAS		d	d			d	d	d			d	d			T	T	T	T					n	n			n	n		
CRSS	N			n	N				D	d			D	d				D	d				T	T	T	T			n	N
CRSS	n			N	n				d	D			d	D	d			d	D				T	T	T	T			N	n
CRAS	n			n	n				d	d			d	d	d			d	d				T	T	T	T			n	n

CRSS - Control Room Shift Supervisor  
 CRAS - Control Room Accelerator Specialist

D - Day shift chief  
 N - Night shift chief  
 T - Training (8h)

12 - hour shifts  
 Day - 0600-1820  
 Night - 1800-0620

Accelerator Safety Envelope specifies Control Room staffing – 1 CRSS and 1 CRAS for beam operations

# Potential issues for the future

- **Personnel**
  - **Replacement – return to full crew staffing (2 vacancies)**
  - **Retention**
  - **Career development**