

# Timeline

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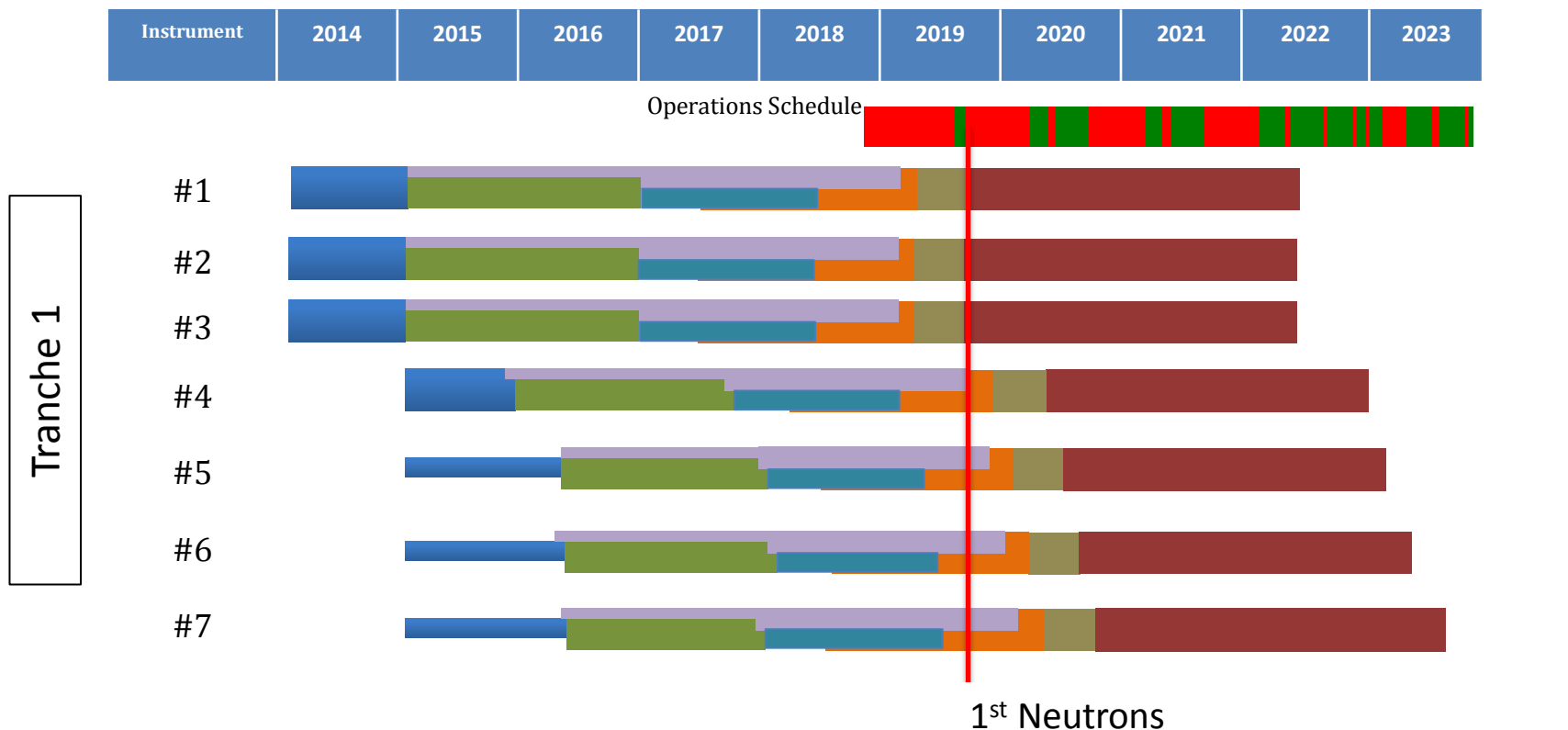
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14-11-21

# Indicative procurement process for Neutron Choppers

- Overall procurement strategy under development
- May conduct procurement in phases depending on schedule, complexity and development status
- Exploring options for establishing framework agreements, accessible for ESS and in-kind partners

# Instrument projects overview



# Equipment demand for Tranche 1

LOW  
SPEED

INTERMEDIATE  
SPEED

HIGH  
SPEED

LARGE  
ROTOR

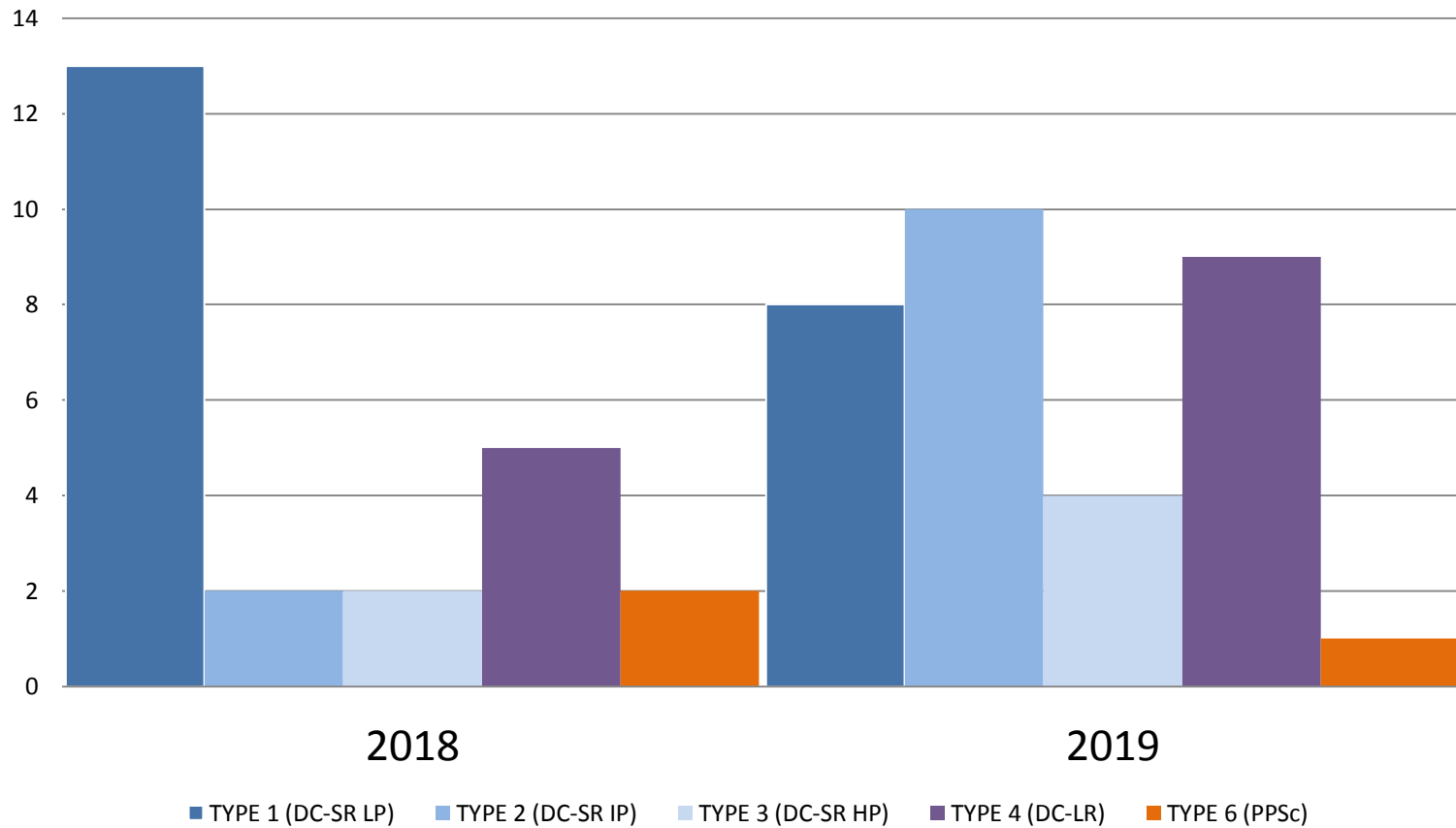
PPSc

		TYPE1 (DC-SR LP)			TYPE2 (DC-SR HP)			TYPE3 (DC-SR EHP)			TYPE4 (DC-LR)		TYPE5	TYPE6	TYPE7					
		SR 0-99 Hz			SR 100-199 Hz			SR 200-299 Hz			SR 300-399 Hz		SR >400Hz		LR	Fan	PPS	Ferm		
1	Nodi	0	2	1	0	0	0	0	0	0	0	0	0	0	2	1	2	0	2	0
2	Kolik	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	SpeCies	0	3	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0
3	Freckles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
5	Roy	0	0	0	0	2	0	2	0	0	4	0	0	0	0	0	0	0	0	0
6	Lager	0	5	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0
7	Merad	1	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	2	0	

Tranche 1:	22	16	6	14	5
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# Chopper deliveries per annum

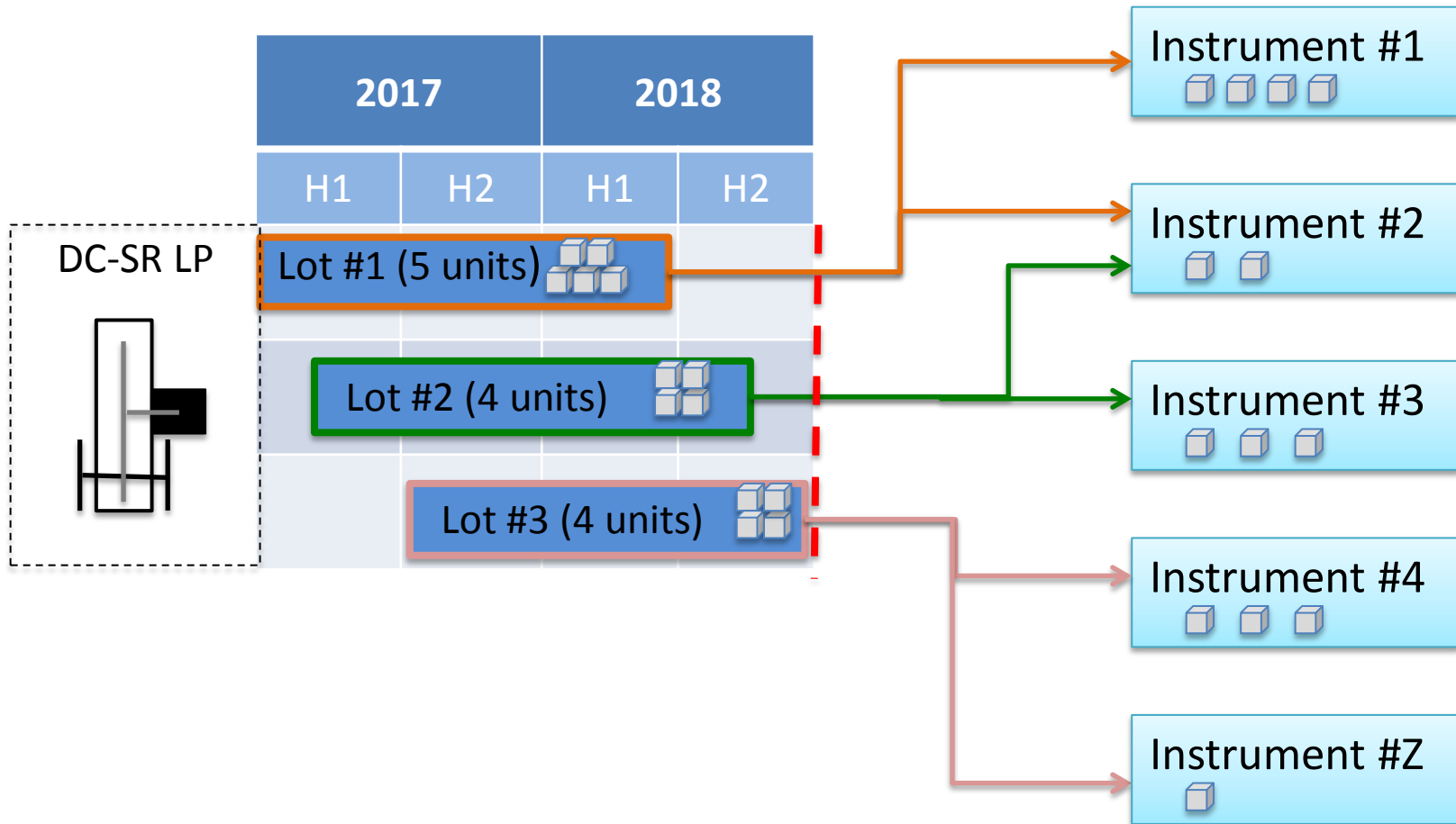
## Chopper Installations by type



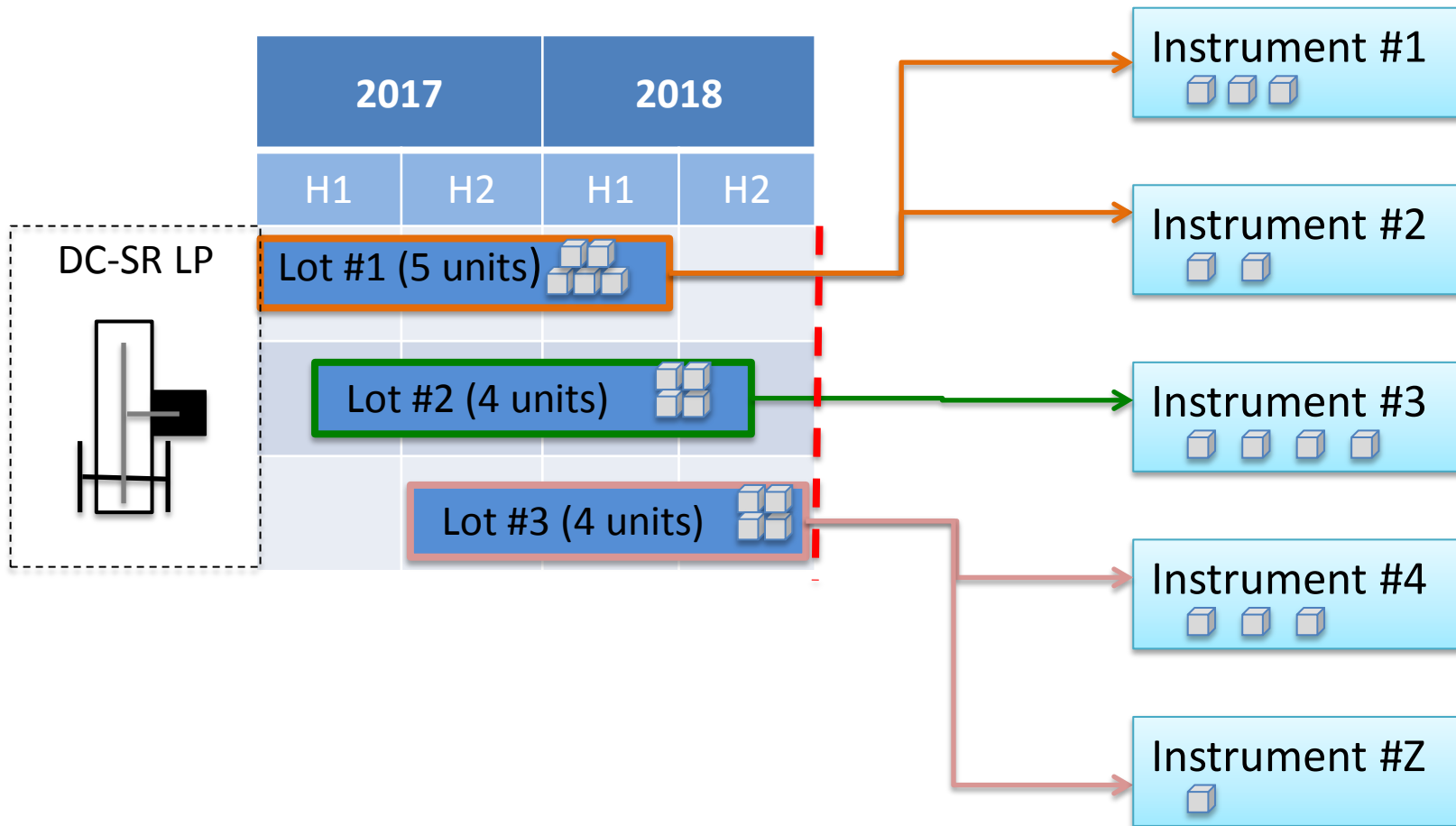
# Delivery periods (all platforms from Tranch 1)

2017		2018		2019	
H1	H2	H1	H2	H1	H2
DC-SR LP (13 units)					
DC-SR HP (2 units)					
DC-SR EHP (2 units)					
DC-LR (7 units)					
PPSc (2 units)					
		DC-SR LP (8 units)			
		DC-SR HP (10 units)			
		DC-SR EHP (4 units)			
		DC-LR (9 units)			
		PPSc (1 unit)			

# Batch delivery (DC-SR LP example)

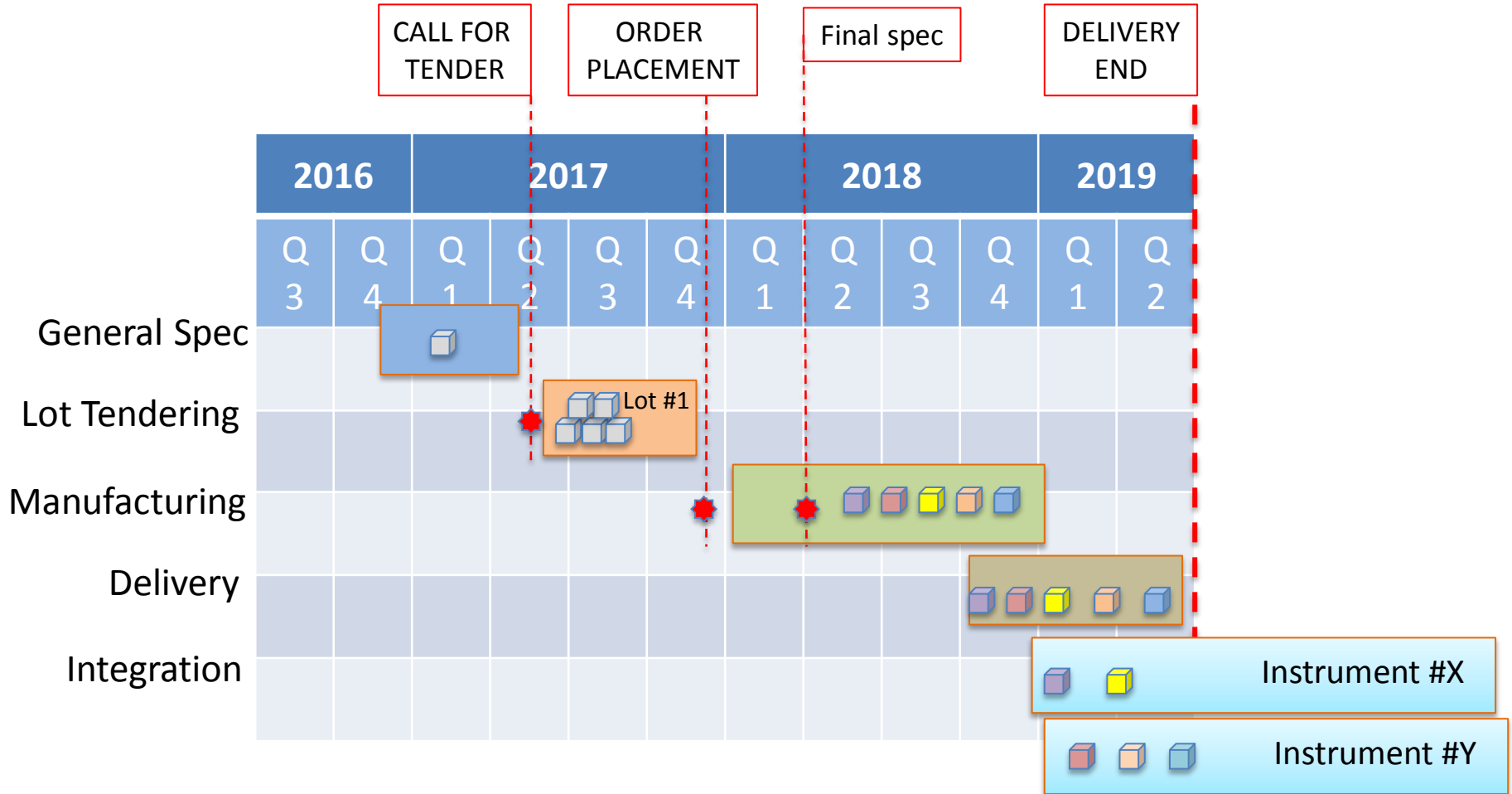


# Batch delivery (DC-SR LP example)

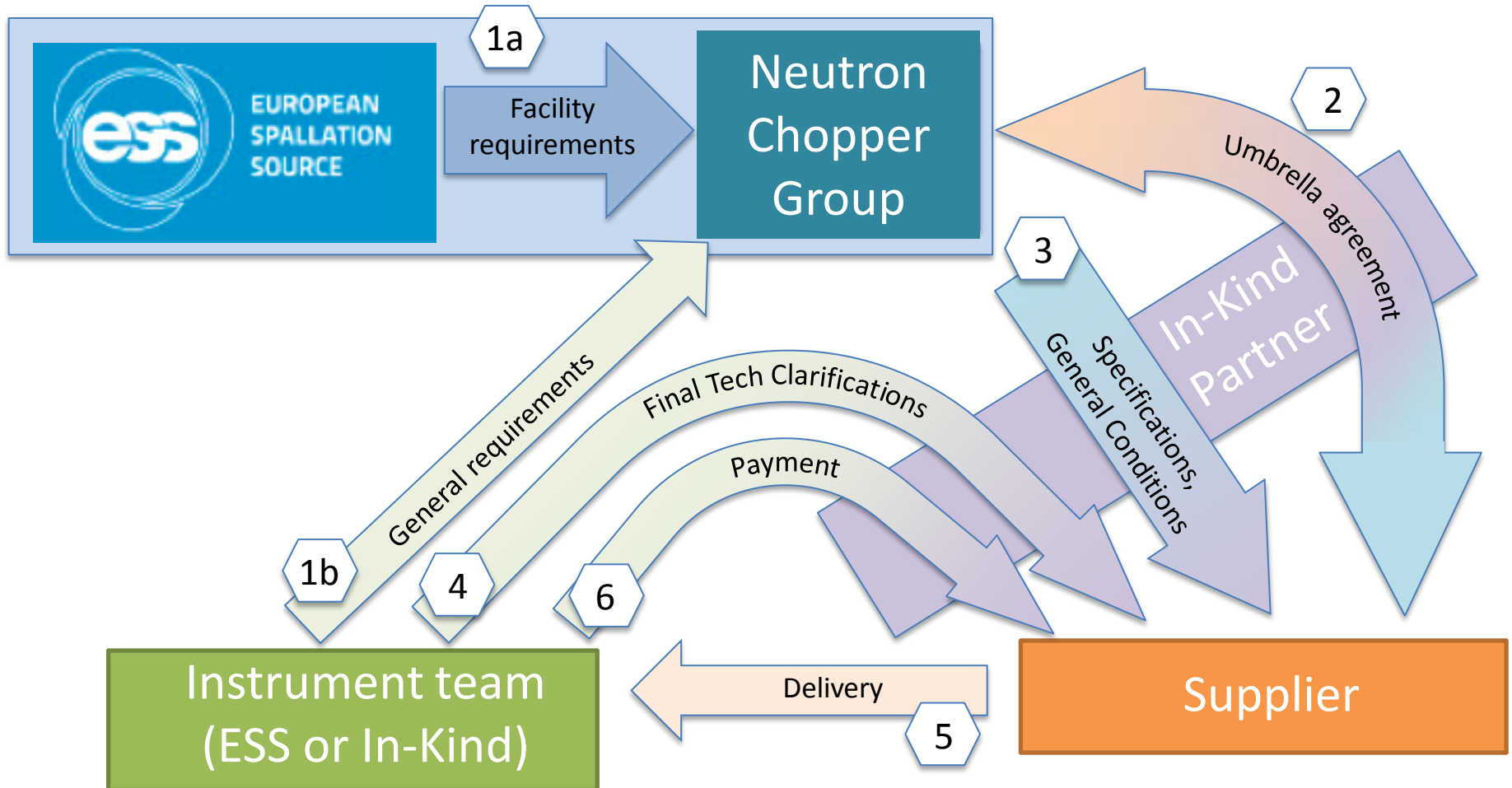




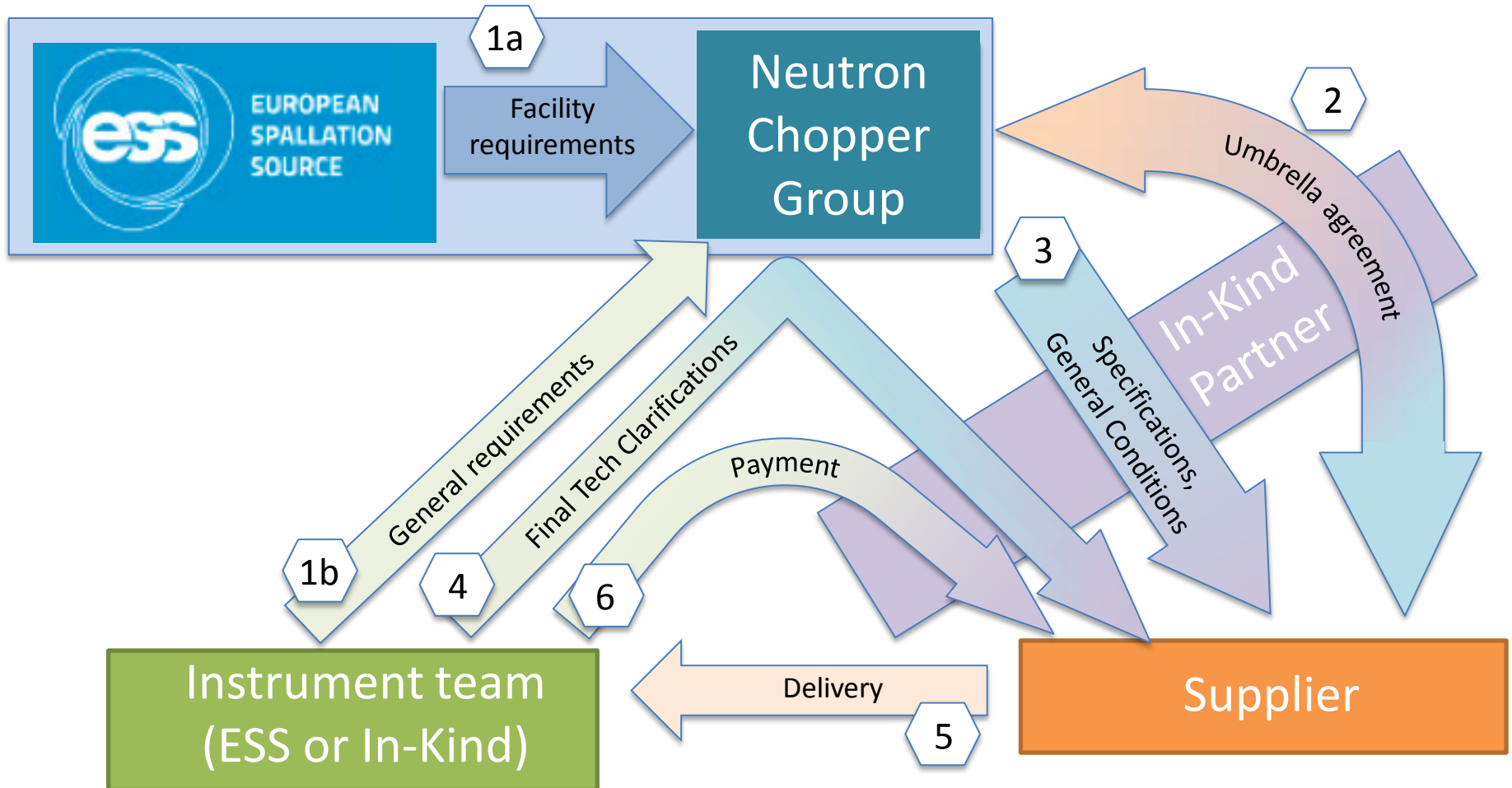
# Batch Procurement process example (DC-SR in Instruments)



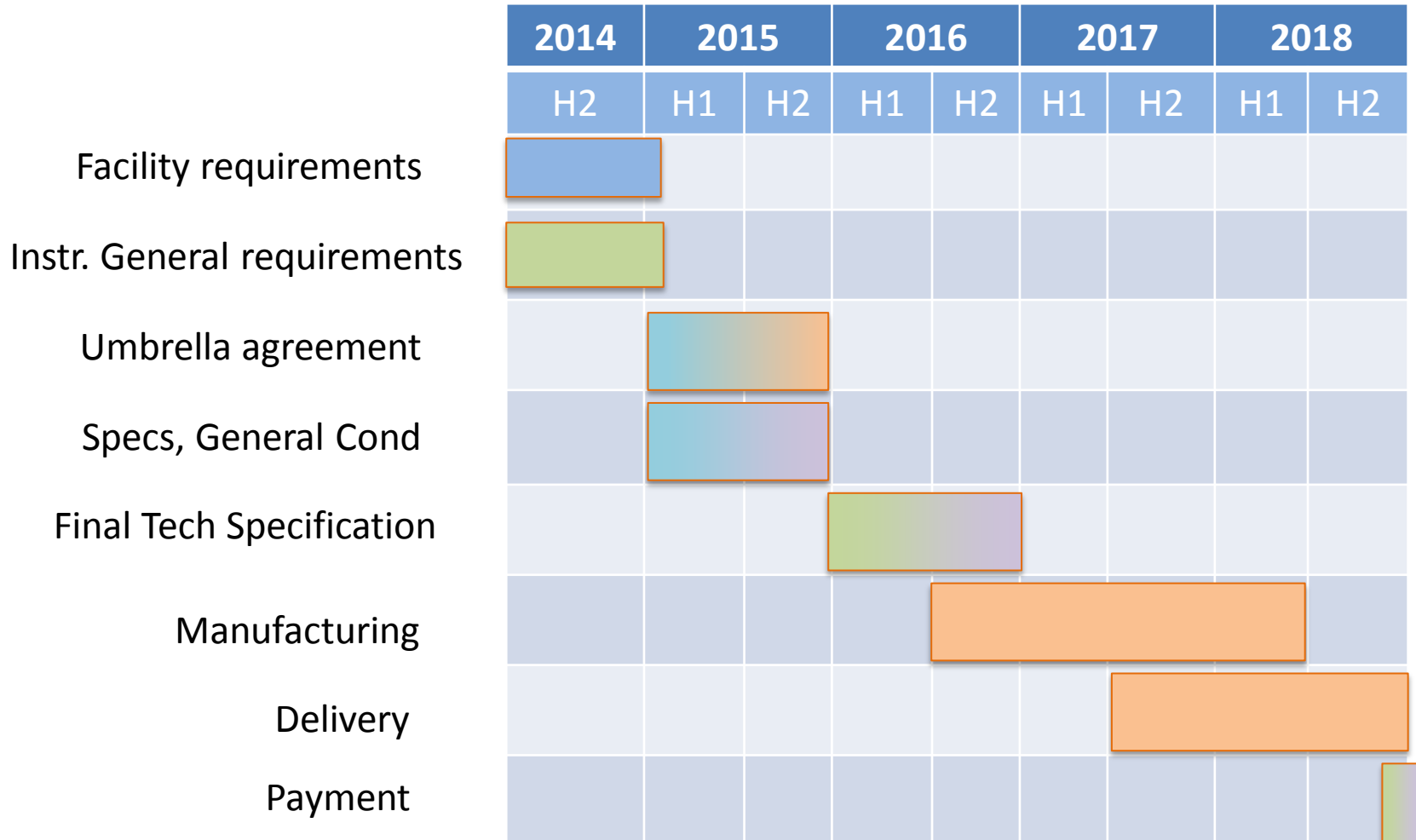
# Procurement process structure



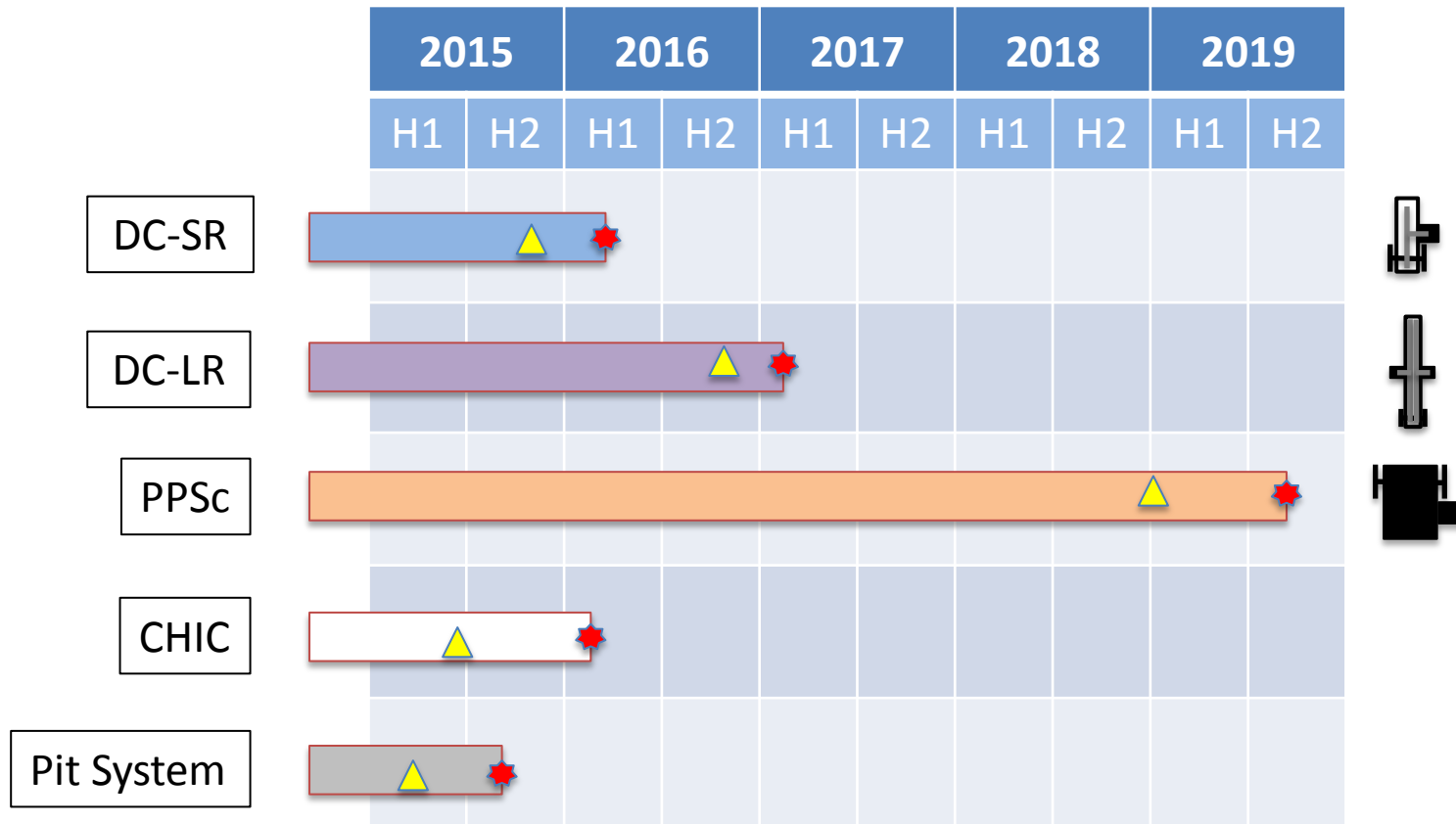
# Procurement process structure



# Procurement process timeline



# Specifications release dates



▲ Draft specification  
★ Final specification

# Questions / Discussion

End

Thank you for your attention