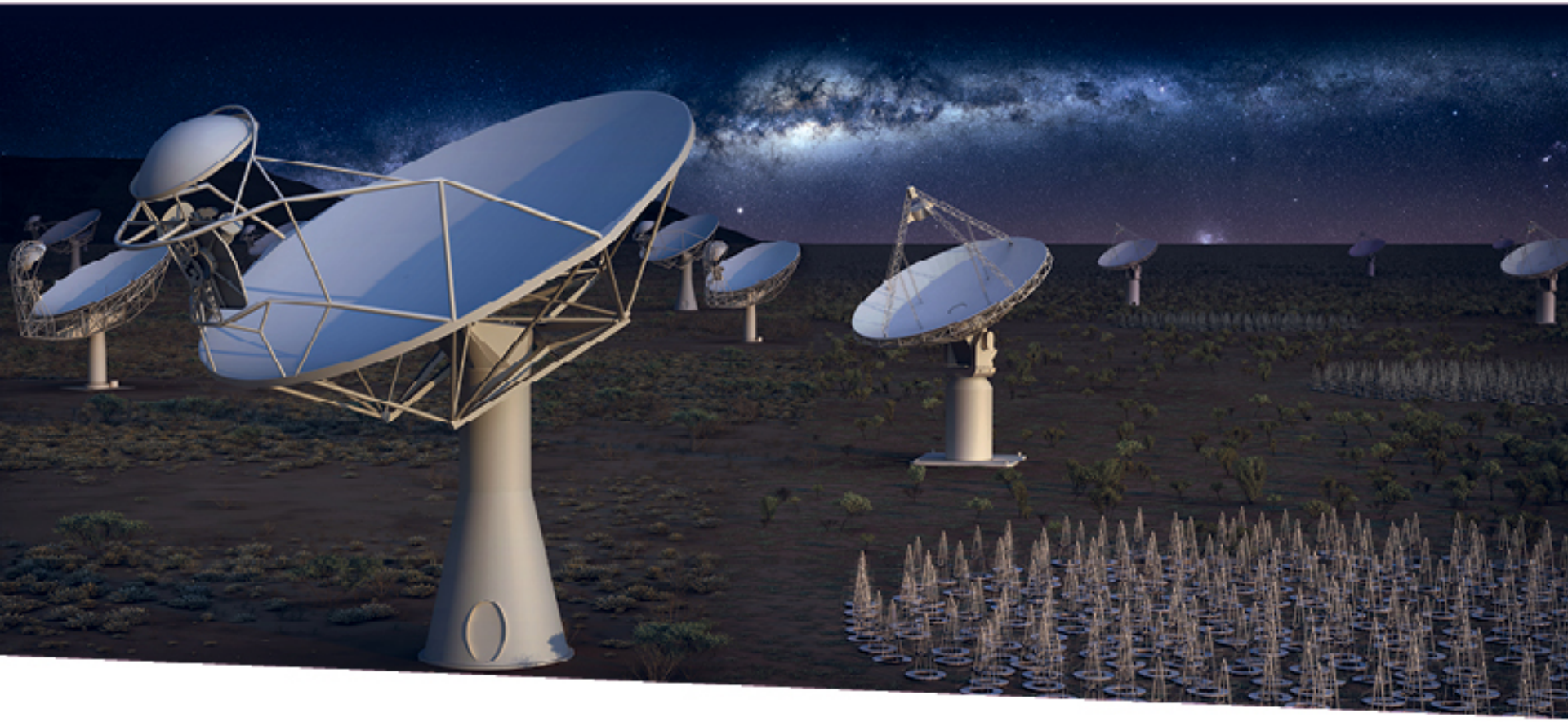
TT-MID Resolution Team

RT1 : SKA1-MID Construction Phasing (aka Array Rollout)



SQUARE KILOMETRE ARRAY

Exploring the Universe with the world's largest radio telescope

Antonio Chrysostomou

Head of Scientific Operations Planning

What is the issue that needs resolution?

SKA1-MID Construction Phasing

- recognise the importance of identifying commissioning & engineering requirements for early AIV support
- identify early functionality to be delivered by software intensive components
  - TM, CSP, SDP
  - identify milestones
- describe use cases for Array Releases, specifically AR1
- identify science capabilities for the Array Releases
  - e.g. how long will the longest baseline be for AR2?
- identify operations support

Who are the Resolution Team?

Name	Consortia
Tyler Bourke (Lead)	Science
Antonio Chrysostomou (PM)	Operations
Jean Kotze	DSH
Jasper Horrell	SDP
Michael Rupen	CSP
Lize van den Heever	TM
Ralph Braddock	SaDT
Telalo Lekalake	INFRA SA
David Bolt	AIV

What were the Resolution Team asked to do?

Construction Phasing:

1. Review requirements & functionality for each AR
2. Propose a suggested procurement policy based on this
3. Ensure a process is in place

Science Phasing:

1. Identify science capabilities
2. Assess requirements against construction schedule
3. Propose science release milestones
4. Estimate operations support required

What has been done?

Quickly became clear that the majority of the work proposed is already being considered and planned for

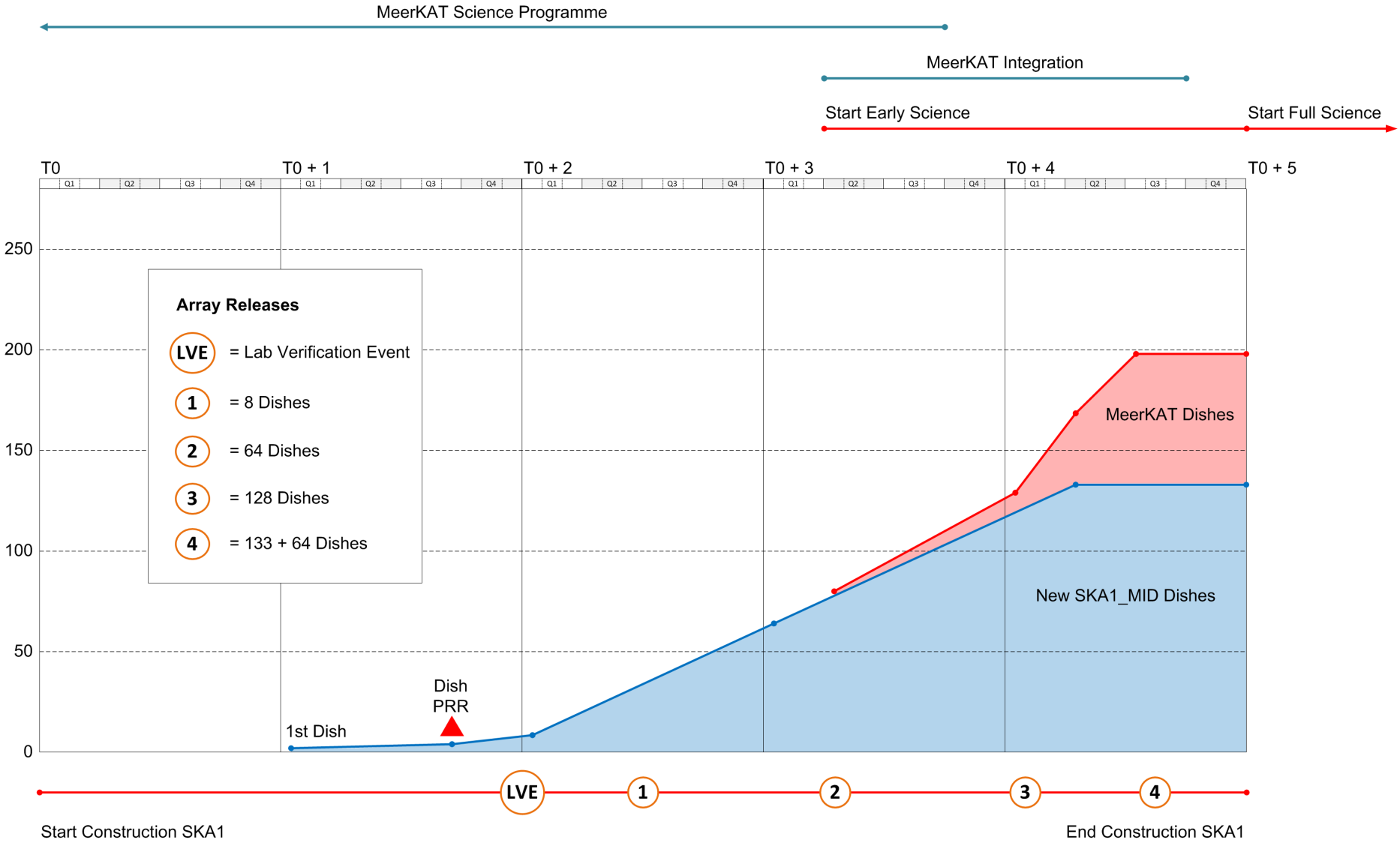
AIV planning:

- AIV roll-out plan is undergoing revision since PDR
- a version will be released soon but all major stakeholders should be consulted

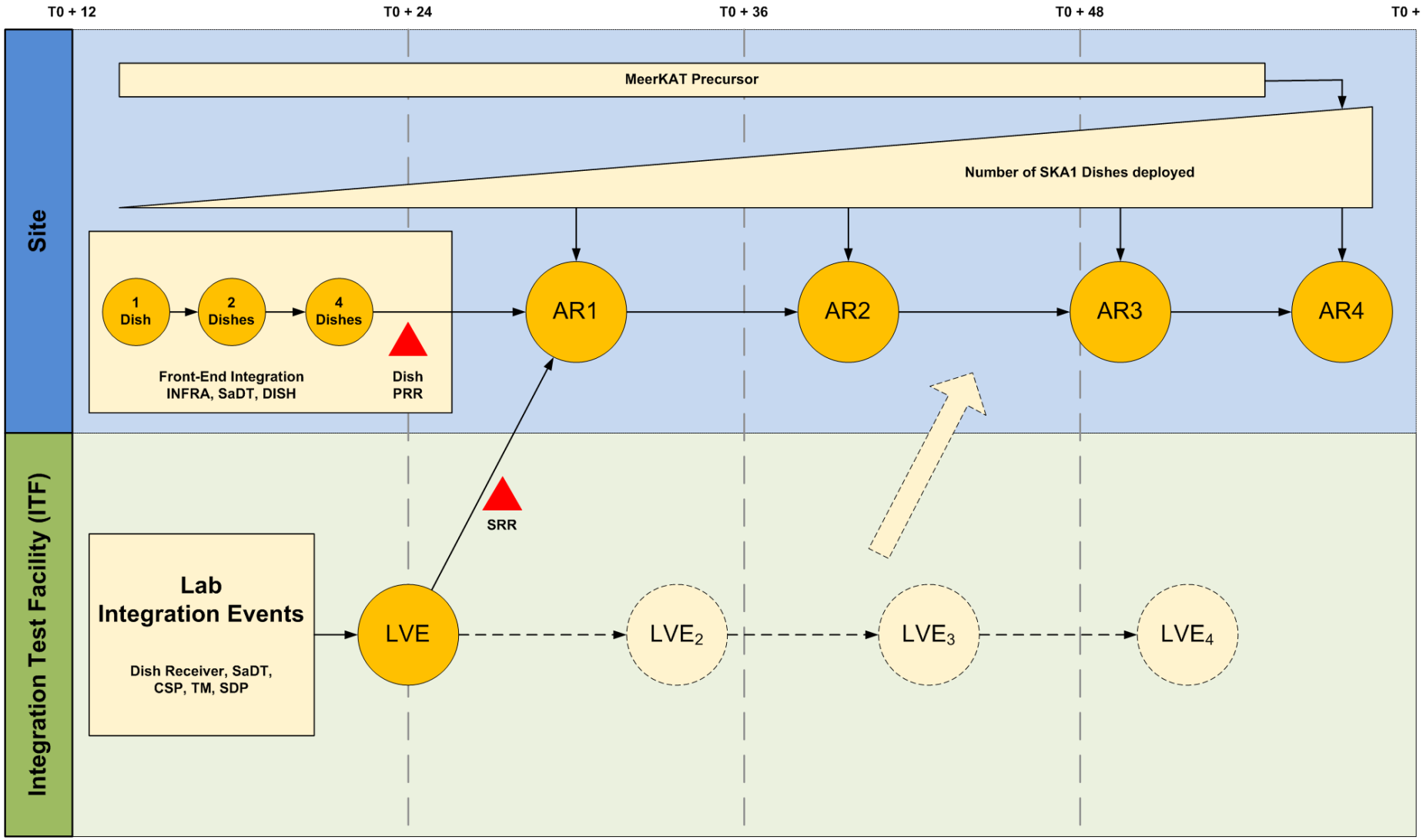
SKAO planning:

- science capabilities have already been folded into AIV planning
  - more detail still required to add flesh to the bones
- Operations support for Array Rollouts will be determined Summer 2016

AR timeline - AIV



AR timeline - AIV

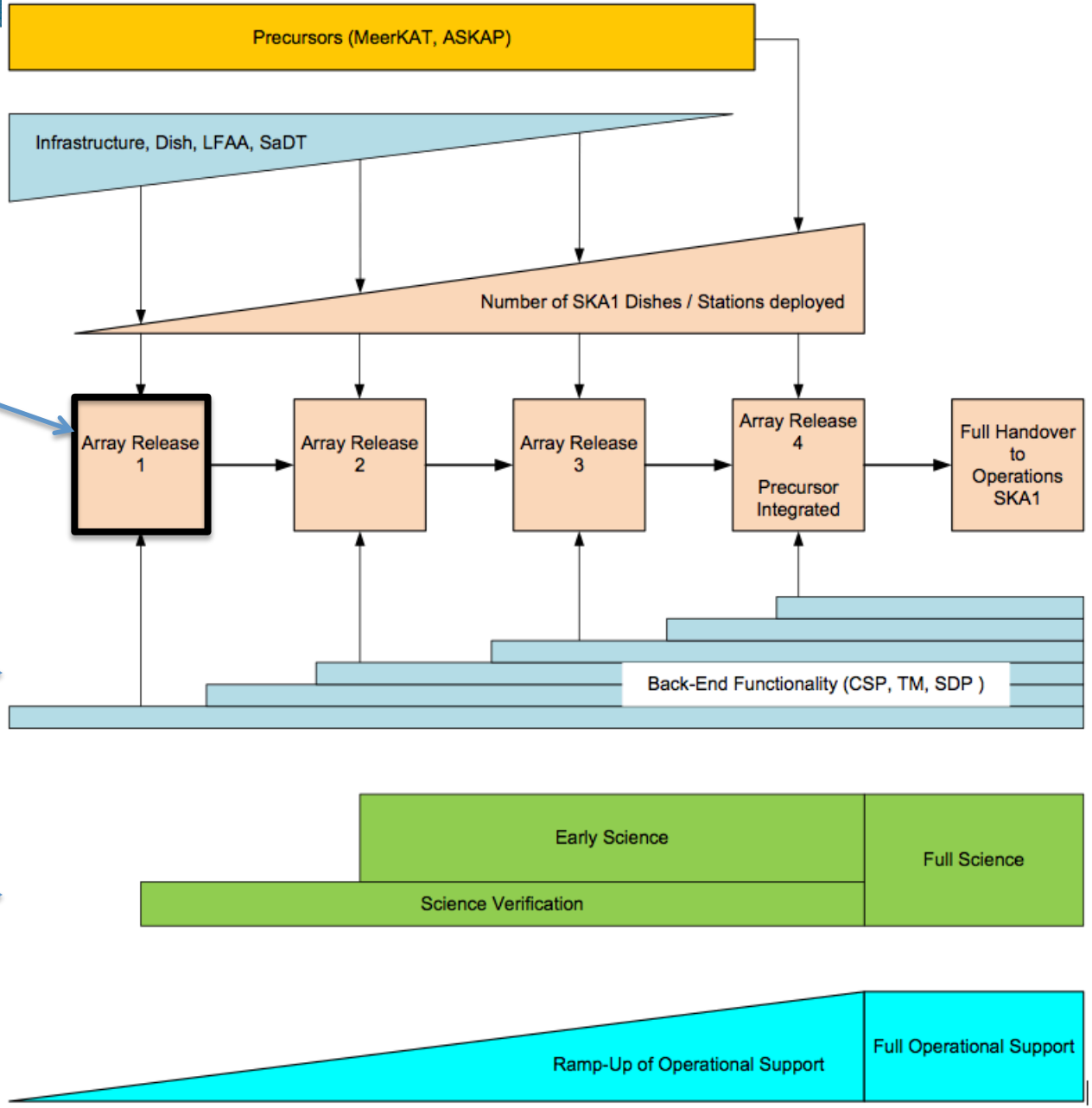


AR timeline - AIV

see special session(s)

verify L1 requirements

verify L0 requirements



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  - more detail still required for verifying requirements
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Recommend that we make this RT a WATCH issue.

What needs to be done and by when?

WHAT	WHEN
Open discussion – Penticton meeting	Now
Regular updates to TT-MID meetings	every 2 weeks
Draft report	end Jan 2016
Final report	mid Feb 2016

It is possible that the most productive result from this RT is that it generates a new set of more specific issues and RTs to be convened

What can we all continue to do?

Feedback any comments to the RT and AIV teams

Read the latest version of the AIV rollout plan(s) & provide feedback

- new version to be issued soon!

Discuss the plan within consortia and include AIV/SKAO in those discussions

- "yes", "no", "maybe" responses to expected deliverables are very helpful for planning

Engage with the AIV team

- I know this is happening!
- just a gentle and friendly reminder that this needs to continue