

Cycle 1 Phase II Procedures

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Cycle 1

TW has open access to EA and NA times by proposals!!

Taiwan ARC node:

- Connected to EA-ARC for the core functions and NA-ARC for the enhanced functions.
- TW PIs are encouraged to select EA-ARC for their user support even though their projects are accepted through the NA region. (In the next cycle, we may make it the only choice for the TW projects)
- 1 manager, 6 members (1-2 more needed), 1 system manager, 1 Assistant, 3 ALMA computers + 1 SMA computer, 3 disk arrays

Accepted Projects + User Support

Highest-Priority Projects: 9 EA + 4 NA + 1EU

Filler Projects: 6 EA

1 PI arrived in ASIAA after having submitted a proposal to EU. That PI can also use our facilities. Unfortunately, there is no proper channel for us to be the P2G and CS.

Scheduling Blocks (SBs)

To be observed, the PI's Science Goals must be converted into SBs, which are the atomic observing units that are submitted to the ALMA scheduling queue for eventual execution.

The process of converting project science goals into SBs is done in the OT, in what is considered the OT's "Phase II" mode of operation.

3 Steps of SBs Preparation

- 1) Generation of the first drafts of SBs
- 2) Review of SBs & PI Interaction (~ 2-4 weeks) (including PI approval)
- 3) Validation of SBs

1. The first drafts of SBs

The JAO/ARC will appoint a “Phase II Project Generation Group” (P2G), which is responsible for generating the first drafts of SBs. A JIRA ticket will be created. P2G will consider:

- 1) PI-stated science goals
- 2) PRP (Proposal Review Process)-mandated changes
- 3) scheduling consideration
- 4) current array capabilities

P2G is comprised of members from CSV, DSO, and each ARC

EA-ARC: Daniel Espada + Yasutaka Kurono + 3 others

T-ARC node: Yu-Nung, Satoko, Alfonso

NA-ARC: Mark Rawling + Harvey Liszt + ...

2. Review of SBs & PI Interaction

The ARCs assign a **Contact Scientist** for each project, who will work with the PI on making sure that the project does what the PI requested (modulo any PRP-mandated changes and technical realities). PI approval is required at the end of the interaction.

2. Review of SBs & PI Interaction

Possible modifications of SBs in this step:

- 1) Minor Changes: PI may request either by telling the Contact Scientist or by submitting a Helpdesk ticket to **Change Request Standing Committee (CRSC)**.
- 2) Major Changes: PI may request by filing a Helpdesk ticket to **CRSC**.

SBs will then be revised by the ARC P2G members accordingly.

3. Validation of SBs

When the originating P2G members are satisfied with the SBs, they will validate them in OT and submit them to the ALMA scheduler.

The project will appear “Ready” in the Project Tracker (PT).

The PT will list the SB status (Phase 2 Submitted; Wait; Ready; Broken; Number of successful executions; QA2 status (pass/fail); Delivered).

Project changes after SB validation

1. Any PI requests that occur outside of the Phase II review process shall be submitted by the PI via the “Change Request” form in the Helpdesk.
2. Change is required, e.g., after a SB is found to be “broken” by the Astronomer on Duty.

All approved changes are implemented by the responsible P2G member in coordination with ARC contact scientist and the PI. The PI shall be required to review the project using the OT and formally approve the implemented changes before the modified project is admitted into the observing queue.

6 Batches of Scheduling Blocks (tentative Schedules)

Batch	#projects (approximate)	priority	LST range	Assigned to P2G by	Prepared by	PI approved by	To be executed starting session	
1	25	High	22-13hr	1-Dec	15-Dec	10-Jan	23-Jan	1
2	60	High	0-15hr	18-Jan	21-Feb	6-Mar	6-Mar	2
3	60	High/Filler	3-18hr	6-Mar	20-Mar	20-Apr	1-May	6
4	60	High/Filler	6-21hr	20-Apr	10-May	10-Jun	12-Jun	9
5	50	High/Filler	9-0hr	1-Jun	15-Jun	15-Jul	24-Jul	12
6	50	High/Filler	all	15-Jul	31-Jul	31-Aug	4-Sep	15
Notes:								
	~800hrs Highest Priority projects; initially ~100hrs Filler. More fillers will be prepared if gaps in observing schedule							
	Band9 SBs will not be created in Batches 1 or 2							

Batch Number for TW HP projects

Project Code	PI	CS	Batch
2012.1.00013	CF Lee	Chin-Fei	2
2012.1.00046	PB Ngoc	Satoko	
2012.1.00122	CF Lee	Chin-Fei	
2012.1.00159	E Chapillon	Edwige	
2012.1.00304	YN Su	Yu-Nung	2
2012.1.00317	K Sakamoto	Shigehisa	
2012.1.00320	N Hirano	Alfonso	
2012.1.00321	E Chapillon	Edwige	
2012.1.00332	S Matsushita	Ronny	
2012.1.00377	K Sakamoto	Satoko	1
2012.1.00621	P Ho	Alfonso	
2012.1.00875	Y Urata	Satoko	1
2012.0.01057	SY Liu	Yu-Nung	