

## Director's Response to ATUC Report – 2023OCT

ATUC Recommendation	Traffic Light	Director's Response
<b>2. Commendations for S&amp;A</b>		
CRACO's pulsar discovery		
Recent Shaw Prize on the discovery of FRBs, made possible by the Parkes 21cm multi-beam receiver		
Positive outcomes from the investigation into the dual anonymous TAC process		
New Overleaf template to streamline dual anonymous proposal workflow		
Successful hosting of the Narrabri radio school		
Management of spectrum protection		
PhD program for Indigenous student		
Silver Pleiades award		
<b>3. Instrumentation upgrades</b>		
<b>3.1.1</b> ATNF to evaluate the impacts of the CABB blocks failure on spectral line and pulsar science, on-going student projects, and (from the overall sub-optimal reliability of CABB) continuum science	<p style="text-align: center;">Orange</p>	<p>We are actively investigating the composition of our user community and its time evolution to be able to assess impacts such as these. We will report our learnings to ATUC. In terms of impacts on individual teams and projects, the community is best placed to communicate to ATNF on these impacts via ATUC feedback mechanisms.</p>

<p><b>3.1.2</b> ATNF to enable spectral line science on at least one of the three instruments</p>	<p>Green</p>	<p>We acknowledge that spectral line capability has been compromised in recent times. Implementation of BIGCAT is a high priority for ATNF. We note that Murriyang is currently equipped to deliver spectral-line science, and ASKAP is expected to resume SSP spectral-line observing prior to the next ATUC.</p>
<p><b>3.3</b> ATNF to assess the priority of BIGCAT with respect to other instrument upgrades such as CryoPAF and CRACO, in consultation with relevant partners</p>	<p>Green</p>	<p>We have assessed the priority of BIGCAT to be very high and we are proceeding with implementation as rapidly as possible within our resource constraints. Project prioritisation is always underway through our internal project management mechanisms. We will report on project status in the next ATUC meeting.</p>
<p><b>3.4</b> ATNF and ATUC to consult ASKAP survey science teams on the short (&lt;5 yr) and medium (5-10 yr) ASKAP upgrade path. ATUC recommends that the ASKAP science PIs are polled to gauge the appetite for upgrading the outer antennas or the inner antennas first, as well as invite other suggestions, noting that no resources are available towards the upgrade at this stage.</p>	<p>Orange</p>	<p>Our own internal planning toward a significant ASKAP upgrade is still evolving. We understand that the community is ready to be consulted now, and we will engage when our understanding of upgrade pathways clarifies. If and when we have a stable plan that involves a progressive upgrade across the array, we will consult directly with the science teams. Generally, any upgrade plans will proceed involving close consultation with existing SSP PIs and the broader community via ATUC.</p>
<p><b>4. Operations</b></p>		
<p><b>4.1</b> ATNF to develop appropriate policies for conducting unattended observing with Parkes, as has been previously done for ATCA.</p>	<p>Green</p>	<p>Unattended observing is possible in good weather conditions with Parkes and ATCA, as outlined in the user guides (noting neither are official policies in the current form). We will work toward clarifying the conditions under which we deem unattended observing to be suitable.</p>

<p><b>4.2</b> ATUC recommends the ATNF resumes providing consistent alerts on the ATCA/Parkes observing portals when mid-week RFI may be present during observations and potentially affected projects are contacted about the feasibility of rescheduling observations.</p>	<p>Orange</p>	<p>Observers are alerted based on information provided to ATNF which is subject to change and not fully predictive – ATNF will look into improving communication, but ultimately we cannot provide reliable forecasts.</p>
<p><b>4.4</b> ATNF investigates development of a general JIRA ticket system for specific user queries and suggestions.</p>	<p>Green</p>	<p>ATNF agrees that this will be useful. It is our intention to implement such a system and we will report on this at the next ATUC meeting. We note that there is also already an online ATUC feedback form which can be used to provide general suggestions.</p>
<p><b>5. Data and archiving</b></p>		
<p><b>5.1</b> ATNF makes the Parkes pcm.fits files that are required for calibrating pulsar and FRB data available for download via the 'Murriyang Observing Information' webpage.</p>	<p>Green</p>	<p>This is established already as a deliverable within the ATNF and should be progressed in the near term.</p>
<p><b>6. Training</b></p>		
<p><b>6.1.1</b> ATNF develop procedures to ensure that each team has sufficient, current expertise to deliver projects.</p>	<p>Orange</p>	<p>Development of training materials is limited based on the pending major upgrades to both ATCA and Parkes, which will significantly change content of training materials. Our priority will be documenting the updated systems.</p>
<p><b>6.1.2</b> ATNF investigates the possibility of engaging student members in development of training content.</p>	<p>Orange</p>	<p>Required consistency across training modules is likely to impact the production of usable relevant content, but a small number of competent senior students could potentially be engaged with directly.</p>
<p><b>6.2</b> Ensure the advertised requirements and benefits provided to ATNF joint-supervised students are clearly defined, up-to-date and consistent with the changing operational model.</p>	<p>Orange</p>	<p>We are aware of an overall CSIRO initiative to update policies and procedures around student supervision. We will update our own policies and documentation both to align with the outcomes of this process and to maintain strong and relevant value from our student program.</p>

7. Policies		
<p><b>7.1</b> The data policies surrounding triggering and sharing of data for NAPA/ToOs are updated and clearly outlined on the “Data access and archives” website including specific example scenarios. This includes developing a policy for the new rapid response triggering mode for ATCA.</p>	Green	ATNF will provide a response to the example scenarios to be communicated prior to the next ATUC meeting.
<p><b>7.2</b> ATNF should continue with anonymisation of normal proposals, in line with international best practice. For long-term projects, ATUC recognises and supports the inclusion of the non-anonymous ‘team capabilities and expertise’ proposal section as suggested by ATNF previously, which should remain exempt from TAC review.</p>	Green	<p>Anonymisation will be continued, although further consideration is needed with respect to a possible “team capabilities and expertise” section for Long-term Projects. We are folding in TAC advice on this topic.</p>