

Committee:	National Committee for Space and Radio Science
Period covered:	12 July 2013 – 31 December 2015
Chair:	Professor Russell Boyce
Version and date:	FINAL 6 December 2013

Purpose	<ol style="list-style-type: none"> 1. To connect the Academy to science and scientists in Australia; 2. To link the Academy to Australian scientific societies in order to work together to promote the development of the discipline; 3. To link Australian science in the disciplines to world science, in particular through the membership of appropriate international organisations; 4. To ensure that Australia has a voice and a role in the global development of the disciplines; 5. To provide strategic science policy advice, to the Academy, as input to Academy science policy statements, and (with the approval of the Executive Committee of Council) to the Australian Government and Australian organisations. 6. To undertake a mid-term review of the 2010-2019 Decadal Plan for Australian Space Science.
Description and objectives	<p>The NC Space and Radio Science is a committee of the Council of the Australian Academy of Science. The broad aims of the committee are to foster the space and radio sciences in Australia, to link the Academy to Australian space and radio scientists and relevant scientific societies and to serve as a link between Australian and overseas space and radio scientists, primarily through the International Union for Radio Sciences (URSI), the Scientific Committee on Solar-Terrestrial Physics (SCOSTEP) and the Committee on Space Research (COSPAR).</p> <p>The NC Space Science (disbanded in 2013) delivered the <i>2010-2019 Decadal Plan for Australian Space Science</i> in 2010, which presents the Australian space science community’s strategic vision for the 10 years from 2010 to 2019. In 2014/15, the focus of the NC Space and Radio Science will be to undertake a mid-term review of the decadal plan to re-assess the recommendations and implementation and suggest any changes where necessary.</p> <p>The NC Space and Radio Science is committed to bringing together the space and radio science communities in Australia and strengthening communications between the relevant societies, the National Committee (and by extension the Academy) and the relevant international unions. Two objectives of the committee will be to perform a census of the space and radio science communities – their demographics and strength – and to bring together where it makes sense, various smaller Australia space and radio science conferences into one conference of significant national interest.</p>

Coverage	Space based studies of the earth’s surface, meteorology and climate, of the earth-moon system, planets, and small bodies of the solar system, of the upper atmospheres of the earth and planets, of plasmas in the solar system, including planetary magnetospheres, and of astrophysics; physics, materials science and life sciences in space; properties and applications of electromagnetic fields and waves, including metrology, radio communication and signal processing systems, electronics and photonics, electromagnetic environment and interference, wave propagation and remote sensing, ionospheric properties and propagation, waves in plasmas, radio astronomy, electromagnetics in biology and medicine.
Linked international organisations	<ul style="list-style-type: none"> • International Union for Radio Sciences (URSI) • Scientific Committee on Solar-Terrestrial Physics (SCOSTEP) • Committee on Space Research (COSPAR)
Key connected organisations	<p>Links to other National Committees: Astronomy, Physics, Materials Science, Antarctic Research.</p> <p>Australian Societies and Organisations: National Committee for Space Engineering (Engineers Australia), Space Industry Association of Australia (SIAA), Space Industry Innovation Council (SIIC), Australian Institute of Physics (AIP), Geological Society of Australia (GSA), Astronomical Society of Australia (ASA), National Space Society of Australia (NSSA), Victorian Space Science Education Centre (VSSEC), and Australian Space Research Institute (ASRI), Institute of Electrical and Electronics Engineers, Engineers Australia Information, Telecommunications & Electronic and Electrical College.</p> <p>International Organisations: Committee on Space Research (COSPAR), Scientific Committee on Solar-Terrestrial Physics (SCOSTEP), International Union of Geodesy and Geophysics (IUGG), International Union of Geological Sciences (IUGS), International Union of Radio Science (URSI).</p>
Key outcomes	<ol style="list-style-type: none"> 1. Approved committee structure and membership (annual); 2. Approved annual report (annual - TBC); 3. Undertake a mid-term of review of the 2010-2019 Decadal Plan for Australian Space Science; 4. Undertake a census of the Australian space and radio science sectors with the intent to increase or establish communication and engagement; 5. Investigate and co-ordinate a merger of Australian space and radio science conferences (including the Workshops on Applications of Radio Significance (WARS)) into one conference of significance; 6. Engagement with Australian space and radio scientists by contributing news items to society publications and seeking opportunities to discuss NC activities at general meetings of the societies; 7. Investigate the feasibility for an Australian bid for a future COSPAR

	<p>conference and co-ordinate the bid if the decision is made to proceed;</p> <p>8. Engagement with URSI, SCOSTEP and COSPAR and other international organisations, including nominations of Australians to commission / executive positions and of delegates at General Assemblies;</p> <p>9. Engagement with relevant national committees on issues of common interest;</p> <p>10. Obtaining financial and other resources to assist in the delivery of its activities, including contributions to the Australian subscriptions to International Organisations.</p>
Indicative budget	<p>1. \$3000 per annum for meetings provided by AAS</p> <p>2. Up to \$2500 provided by AAS to support attendance at international meetings of:</p> <ul style="list-style-type: none"> • URSI (2014) • SCOSTEP (TBA) • COSPAR (2014) <p>3.</p>
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Approved by / date	388 EXCOM, December 2013