

Appendix 12

PERFORMANCE INDICATORS 2000-01

Performance was assessed in terms of the contribution of the Outputs to the achievement of the planned Outcome. The performance indicators, as published in the Portfolio Budget Statements 2000-01 for the Environment and Heritage Portfolio (Budget Related Paper No 1.7), are:

(A) Effectiveness – Overall Achievement of Outcome 2

OUTCOME ELEMENT	INDICATOR
<p>Satisfaction of present and future needs for continuous reliable data and information on Australian weather and climate</p>	<p>The extent to which:</p> <ul style="list-style-type: none"> • the density, representativeness, accuracy, homogeneity, continuity and reliability of the national meteorological observation network are sufficient to: <ul style="list-style-type: none"> - meet essential future national and international needs for Australian climate data; and - provide the basis for routine nationwide weather watch and numerical prediction operations and provide a common foundation for the provision of basic and special weather services; • the meteorological data from the observational network are transmitted to the National Meteorological and Oceanographic Centre (NMOC) and Regional Forecasting Centres (RFCs) error-free and within cut-off times and meteorological information, forecasts and warnings are communicated promptly and accurately to users; • the central and regional computer systems and computing advisory and consultative services meet the defined requirements of all Bureau programs and contribute to overall efficiency and productivity gains; • equipment installations satisfy the requirements of Bureau programs, are carried out within time and cost estimates and the performance and reliability of operational services are maximised; • the NMOC provides reliable, timely analysis and forecast guidance products that impact positively on the quality of services; and • the NMOC and the RFCs provide, in combination, a sufficiently comprehensive and responsive nationwide and regional scale weather watch and monitoring operation to detect and react immediately to the first evidence of developing dangerous weather and provide a foundation for the provision of routine basic and special weather services.

OUTCOME ELEMENT	INDICATOR
<p>Advancement of meteorological science and understanding of mechanisms of Australian weather and climate</p>	<p>The extent to which:</p> <ul style="list-style-type: none"> • the Bureau of Meteorology Research Centre is recognised for the quality and extent of its contribution to national and international atmospheric science; • progress is achieved in the characterisation and understanding of the processes which determine Australian weather and climate; • progress is achieved on applied research problems addressed to the Bureau or which arise in the course of its operations; • cost effective new applications and services emerge from Bureau research; • Bureau research can be shown to have contributed to improvements in the quality of its operations and services; and • the scientific health and morale of the Bureau are enhanced.
<p>Enhanced community safety and well-being through the effective use of meteorological and related services by the general public and other major social and economic sectors</p>	<p>The extent to which:</p> <ul style="list-style-type: none"> • meteorological and related services contribute to: minimising loss of life and property and community disruption from bushfires, tropical cyclones and severe storms; minimising economic and other costs of disaster preparedness; the safety, comfort, convenience and general welfare and economic benefit of the public and major community groups; the safety and efficiency of shipping, small craft and maritime industries; the safety, regularity and efficiency of air navigation; the efficiency and effectiveness of the Australian Defence Force; government and community planning; and the economy and efficiency of primary and secondary industry; • forecasts, warnings, information and advice are accurate and timely; • user needs (including the needs of specific users of special weather services on a cost recovery basis) are identified and satisfied and new services and products are developed as required; • the public, major user groups and specialised users receive, understand and make optimum use of the services and express satisfaction with the services; and • the data stored in the National Climate Centre are appropriate in terms of types of parameters included; comply with relevant national and international guidelines in respect of density and frequency of observations stored; have been subject to appropriate quality control; and are stored optimally in terms of security and accessibility.

OUTCOME ELEMENT	INDICATOR
<p>International cooperation and goodwill including the benefits of global meteorological cooperation under the Convention of the World Meteorological Organization and related international meteorological treaties and agreements</p>	<p>The extent to which:</p> <ul style="list-style-type: none"> • Australia meets agreed international requirements for data exchange; the National Meteorological and Oceanographic Centre in Melbourne provides the products and services prescribed for a World Meteorological Centre, two Regional Specialised Meteorological Centres (RSMCs), an Integrated Global Ocean Services System Specialised Oceanographic Centre, and an International Civil Aviation Organization Regional Area Forecast Centre; and the Darwin RFC provides the products and services prescribed for a RSMC; • Australia can maintain its standing in international meteorology and so influence international developments to national advantage; • participation in international activities can be shown to contribute to the effectiveness and efficiency of Bureau operations and services; and • the contribution of Australian expertise and support improves the quality and performance of National Meteorological and Hydrological Services (NMHSs) in the South-West Pacific and South-East Asia.