**Inspection report**

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| **Licence Holder**: Australian Federal Police | **Licence Number:** S0056 |
| **Location inspected:** Sydney International Airport | **Date/s of inspection:** 7 March 2017  |
| **Report No:** R18/03098 |
| An inspection was conducted as part of ARPANSA’s baseline inspection program to assess compliance with the Australian Radiation Protection and Nuclear Safety Act 1998 (the Act), the Australian Radiation Protection and Nuclear Safety Regulations 1999 (the Regulations), and conditions of Source Licence S0056. The scope of the inspection included an assessment of Australian Federal Police - Controlled apparatus - S0056 - 7 Mar 2018’s performance at Sydney International Airport against the Source Performance Objectives and Criteria (PO&C). The inspection consisted of a review of records, interviews, and physical inspection of ionising apparatus. BackgroundAFP uses controlled apparatus as a tool to enforce Commonwealth criminal law to contribute to combating organised crime and to protect Commonwealth interests from criminal activity in Australia and abroad. This inspection focused on the industrial X-ray equipment located in the vicinity of Sydney International Airport.The main codes and standards applicable to these controlled apparatus is Radiation Health Series No. 31 – Code of Practice for the Safe use of Industrial Radiography Equipment (1989), or RHS31.ObservationsIn general, the management of safety at the international airport was found to be satisfactory. BM1 - Performance Reporting and VerificationThe AFP has provided ARPANSA with timely quarterly reports. The contents of the information within contained relevant information, including:* Information regarding source transfers and disposals in accordance with Regulation 53
* Information regarding acquisitions of new sources
* Information detailing the implementation of corrective actions from previous inspections, and
* Information indicating that plans and arrangements had been reviewed and revised.

The inspector found that all information was provided satisfactorily. BM2 – Configuration ManagementAFP’s plans and arrangements were found to have appropriate updates reflecting the findings of previous inspections. All equipment located at the Sydney International Airport accurately reflected the records contained within the AFP’s source inventory workbook. These were verified during the inspection. The inspectors found that AFP communicated organisational changes well with staff across the entire organisation and that changes to the AFP’s National Guideline for Radiation Safety were promulgated effectively. However, there appeared to be room for improvement with respect to updating the AFP National Guideline for Radiation Safety (2017) to replace ‘thermo-luminescent dosimetry’ references with AFP’s current ‘optically stimulated luminescent’ dosimetry technologies.BM3 – Inspection, Testing and MaintenanceAFP facilitates a two-yearly maintenance schedule with a NSW licensed radiation safety provider. This was found to be adequate. BM4 – TrainingAFP maintains a centralised training management system which proactively prompts personnel to complete mandatory training requirements. These requirements are also captured in individual half-yearly Personal Development Agreements.BM5 – Event ProtectionA robust maintenance program and limited access arrangements were suitable for the purposes of event protection. Functional tests required to be performed prior to operations also assist in the identification of malfunctioning equipment.BM6 – SecurityThe use of layered access control arrangements adequately prevents access to controlled apparatus by persons not formally trained or authorised. BM7 – Radiation ProtectionWhilst the AFP did have adequate plans and arrangements for managing safety, some of the technical procedures and their application were not available at the time of the inspection. Further, in order to enhance uniform practices across the organisation, more detail on the specific procedures that Bomb Appraisal Officers (BAOs) are expected to follow during normal operations and emergency situations should be revised. BM8 – Emergency ResponseThe demonstration of emergency procedures were provided by the BAO which met the requirements of RHS-31 and were found to be suitable.FindingsThe licence holder was found to be in compliance with the requirements of the Act, the Regulations, and licence conditions. The inspection revealed the following areas for improvement:1. The AFP National Guideline on Radiation Safety did not reflect the Optically Stimulated Luminescence dosimetry technology.
2. Although BAO’s had been trained to specific procedures when using industrial radiography equipment, they were not available at the time of the inspection.

It is expected that improvement actions will be taken in a timely manner. |

*No written response to this report is required*

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