

16 July 2024

National Library of Australia
King Edward Terrace,
Parkes ACT 2600

Attention Mr. John Doyle

Dear John

RE: Fire & EWIS Panel Replacement Specification

The intent of this project is to replace the fire and building occupant warning systems Fire Indicator Panel (FIP) and Master Evacuation Control Panel (MECP) including existing sub panels in each system with new non-proprietary panels complying with the National Construction Code (NCC 2022) and referenced current Australian codes as applicable.

The new panels must be designed to allow for the future upgrade of all detection systems throughout the building and the installation of a fully compliant EWIS system in the future. Minor field rection shall be carried out as defined in the CEFA wiring report.

All non-compliant wiring systems must be upgraded to meet the current codes. Where necessary to achieve compatibility with the new proposed panels all existing field devices such as loop devices, interface modules and data gathering panels are to be replaced with devices approved for use with the proposed panel.

All the existing speakers may be retained subject to full compliance AS 1670.4-2018 and with compatibility to the new proposed MECP and additional speakers installed to achieve code compliance and the required intelligibility criteria set out in AS 1670.4-2018. Warden Intercom Points (WIP) to be compatible with the new MECP. Red manual call points shall be located beside every WIP addressable and compatible with the proposed new FIP. All WIP to be clearly labelled with both instructions on their use plus identification numbers.

The contractor is responsible for carrying out a full audit of the controls, programming and operational procedures of the existing system and inputting them into the new systems. It is the contractor's responsibility to ensure that all inputs and outputs to all systems are functioning as designed and shall confirm that the new system is functioning exactly as the existing system on completion. It is the fire services contractor's responsibility to export all the data and functionality of the existing panels before replacement with the proposed new panels.

The existing systems is be retained online and fully operational for the duration of the project with a changeover to be undertaken during night-time periods or other agreed periods only. The contactor should note that portions of the building can be occupied on a 24 hour 7 day a week arrangement and full care and consideration to these areas must be included in the proposed scope of work.

The contractor shall be responsible for the comprehensive maintenance of the existing fire detection systems and EWIS systems for the duration of the contract from the time of taking possession of the site until the certificate of Practical Completion has been given. All maintenance procedures set out in AS 1851-2012 as amended for monthly, six monthly and annual testing shall be allowed for. This contractor shall allow for all callouts for the duration of the contract.

The proposed new panels must be integrated into the existing smoke hazard management systems as well as the existing security systems and BMS. The fire services contractor shall be responsible for all

costs associated with the attendance of the existing mechanical services contractor, lift contractor (if required to test detectors at the top of lift shafts), security contractor and BMS contractors in addition to any other contractor maintaining systems that are fire affected during the commissioning period and when the full integrated fire tests are conducted as set out in the fire matrix.

The preparation of the fire matrix for the building shall be the responsibility of the fire services contractor including gathering data from all associated trades such as mechanical services, security systems and BMS etc. The fire services contractor shall be responsible for all costs associated with the gathering of information for all trades including any matrix information to be added to the fire system component of the matrix.

Regards



Cyril McIvor