



CITY OF TREASURE ISLAND, FLORIDA

Treasure Island Fire Rescue

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INFORMATIONAL BULLETIN

Two-Way Radio Communication Enhancement System requirements

INITIAL ACCEPTANCE TEST REQUIREMENT

Submit floor plans with details as indicated below prior to applying for any permitting. The initial grid test and resulting reports should be submitted to the Fire Inspector at Treasure Island Fire Administration detailing the grid test results and a report detailing the pass/fail determination and recommendations for compliance.

Each Floor must be divided into a minimum of 20 grids and one sample must be taken from the center of each grid. A calibrated spectrum analyzer (Anritsu is recommended by Motorola but not required) should be used to ensure a signal level of -95dBm or greater is recorded in each grid. Critical areas will have 99 percent coverage and General areas will have 90 percent coverage. Critical areas must have their own grid in addition to 20 grids. (Elevator lobby, stairwells, mechanical rooms, command rooms, FACP rooms etc.). Test will be deemed failed if two or more adjacent grids do not meet the required signal level. The testing documentation should record the range of frequencies from the Pinellas County 911 Radio and Technology Division.

Additionally, when installing a BDA / DAS system the Delivered Audio Quality (DAQ) testing will be performed at the acceptance testing with the same model/manufacturers radio as used by Treasure Island Fire Rescue. A DAQ of 3.4, speech understandable with repetition only rarely required, will be required in the same critical and general test grid locations. As-built design documents, cable sweep test documentation, and acceptance test results will be kept onsite for reference.