

REQUEST FOR ADDITIONAL INFORMATION 261-2165 REVISION 0

3/4/2009

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 14.03.12 - Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance
Criteria

Application Section: Section 2.12 of the DCD

QUESTIONS for Construction Inspection and Allegations Branch (CCIB)

14.03.12-12

ITAAC Item 3 in Table 2.12-1

The design commitment does not state what the observation is of people and/or vehicles, but the ITA and AC both refer to the observation of people. Is this just for the observation of people only, or does it also include vehicles?

14.03.12-13

ITAAC Item 4 in Table 2.12-1

The design commitment should state something like the following: 'The intrusion detection system can detect and initiate alarms for penetrations or attempted penetrations of the protected area barrier.'

The ITA would be better stated as the following: 'Test, inspections, or combination of tests and inspections verify that the intrusion detection system can detect and initiate alarms for penetrations or attempted penetrations of the protected area barrier with the alarms annunciating at both the Central and Secondary Alarm Stations.'

The AC would be better stated as the following: 'A report exists and concludes that the intrusion detection system can detect and initiate alarms for penetrations or attempted penetrations of the protected area barrier with the alarms annunciating at both the Central and Secondary Alarm Stations.'

14.03.12-14

ITAAC Item 5 in Table 2.12-1

The design commitment is concerned with the observation of abnormal presence or activity of persons or vehicles. Neither the ITA nor AC state that the observation is of abnormal presence or activity of persons or vehicles.

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14.03.12-15

ITAAC Item 6 in Table 2.12-1

The design commitment and ITA are concerned with 'external walls, whereas the AC is concerned only with 'walls'. Establish agreement on this concern across the three components of this ITAAC.

The ITA is concerned with 'windows in the walls', but the design commitment and AC are not. Determine if windows should be included in the ITA, if so include them also in the design commitment and AC.

14.03.12-16

ITAAC Item 8.a in Table 2.12-1

The AC would be better stated as the following: 'A report exists and concludes that access control points are established and control access of personnel and vehicles into the protected area.'

14.03.12-17

ITAAC Item 8.b in Table 2.12-1

The design commitment infers that the access control points detect the firearms, explosives, and incendiary devices, whereas the ITA and AC correctly state that it is the detection equipment at those access control points that detects those items.

14.03.12-18

ITAAC Item 14 in Table 2.12-1

The following is a better way to state the basis for annunciation of alarms: onsite security alarm annunciation including alarm location, type, circuit, date, and time, and also false alarms, alarm checks, and tamper indication.'