BROOKHAVEN NATIONAL LABORATORY
MEMORANDUM

RHIC

Date: June 24, 1998
To: Distribution
From: Roy Heyder
Subject: Minutes - ASSC PASS subcommittee June, 24 1998 re: RF proposal, Key tree proposal version 4


Action Items


b) Add new item (98-RC-14) Determine rules for 3GS1 gate transiting during a sweep and under normal conditions (no sweep taking place). Mac Kay.

AGS: None

Review of RF proposal

1. RF hazard light on the proposed panel shall be renamed RF enabled.

2. The RF key tree from 1004A will have two outputs reset tree and RF tree. Both of these outputs will be hard wired to the DC input module in 1004B PLC enclosure. There will be separate outputs from the MCR key tree that also get hardwired to a DC input module in 1004B PLC enclosure.

3. Gate 4GE2 will be a remote reset only gate. This gate will be resetable from the MCR or 1004A panel. Entry into this gate is with the RF CA key.

4. The proposed quantity of keys for the 1004A panel is 1-RF sweep key and 4-RF CA keys. This shall be presented to the RF group for their approval. Frankel/Rose.

5. The button labeled CRASH on the 1004A panel shall be labeled SA mode. A push button labeled NA mode shall be added.

6. The gate release buttons labeled 4GI1, 3GI1 and 4GE1 shall be removed. The only gate releases that will be available using the panel in 1004A will be for 4GE2 and 3GS1.
General Discussion

a) The gate release buttons 4GE1, 3GI1 and 4GI1 were considered as not necessary. 4GE2 will be the entry gate into the RF area when the system is in controlled access mode.

b) The enabling of NA mode with a turn of a key was considered unacceptable and possibly unsafe. If the key tree was completed and CA mode was selected the system could possibly go to RF enabled mode. A new push button labeled NA mode was proposed. The selection of NA mode will require the key tree to be completed and the NA mode push button selected. The push button labeled CRASH was regarded as confusing and shall be labeled SA.

c) The amount and type of keys that should make up the key tree were discussed. The gate 4GE2 shall have a CA key for entry, the same key can be used to enter this gate in RA mode. The type of keys that make up the key tree in 1004A shall be changed to 1 CA key and 4 of the RF sweep keys. This shall be presented to the RF department for their approval.

d) There was a discussion as to the problems associated with sweeping 3Z1, 4Z1 and the transiting of gate 3GS1. The general rule that is imposed at other GS gates is that both sides of the gate shall be swept and in controlled access in order to make a successful transit of this type of gate. There are a few problems with this gate, the first of which is when sweeping 3Z1 (and 4Z1 is not swept) with the check station on the inside or the outside of the gate if the gate is opened with or without a simultaneous release the sweep will be lost. The next situation occurs when 4Z1 is swept and 3Z1 is not, the only way to get into this area is from 3GI1 and this was viewed as unacceptable. This gate and the rules associated with it shall be reviewed further.

e) The software version that shall be loaded in the PLC for the RF operation was discussed. It was agreed that a minimum software set be installed to reduce the testing time required to get the system online. Once the full set of software is loaded all test procedures will be required to be run.
Approved: [Signature] 6/24/93
T. Robinson, ASSC PASS Subcommittee

Attachments: Action item list for RHIC and AGS

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