HOWTO
RUN RPG AND RDA ON A SINGLE PC

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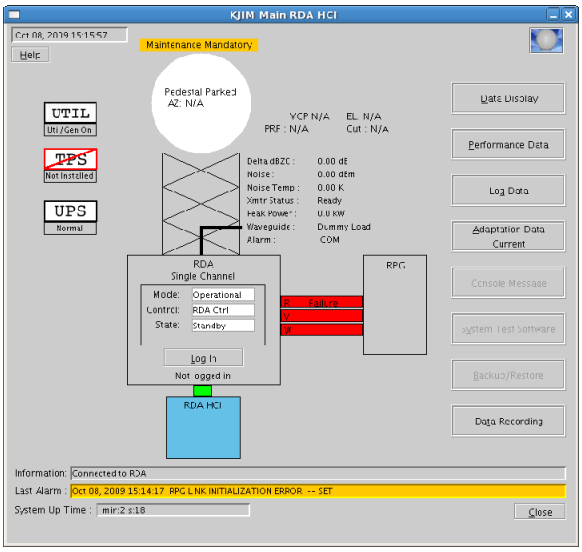
0.0 PREREQUSITES

0.1 The user must have access to a Linux PC set up according to ROC Software Engineering specifications.

0.2 The RPG software has been installed and the user is logged in to one of the orpg numbered accounts in Terminal window #1 (T1). The RPG is not running and the RPG HCI is closed.

0.3 The RDA has been installed and the user is logged in to the orda1 account in Terminal window #2 (T2). The RDA simulator is running in T2.

0.4 The user is logged in to the orda1 account in Terminal window #3 (T3). The RDA is running in T3 and the RDA HCI is open.



0.5 Double asterisks, "**", indicate steps that must be performed only if you haven't already performed them.

1.0 SETUP THE RPG

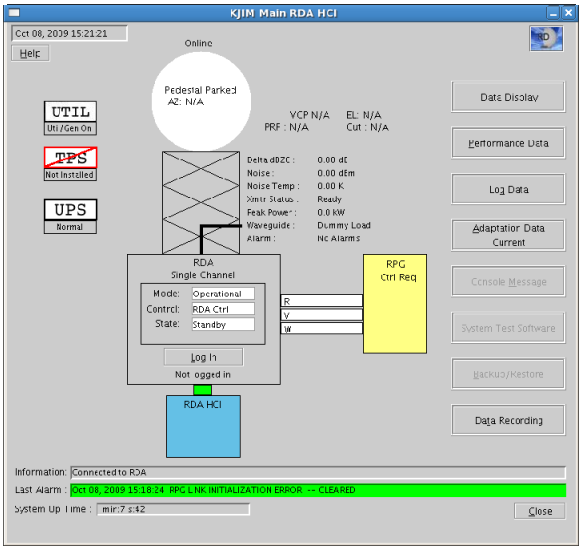
1.1 ** T1 ➔ Set the RPG to use a live RDA data feed. NOTE: Link # 0 of the *tcp.conf* file will specify an Ip/Host of **rda1** and the Line # 0 of *comms_link.conf* will specifiy Comms Manager as **cm_tcp**.

```
lnxeng1 ~orpg2:/export/home/orpg2> switch_rda  orda  [ENTER]

Stopping rpg load.



Re-starting rpg load.


10/08/09 14:40:18 mrpg: Reading task tables
14:40:18 mrpg: Start up RPG - Non-operational
14:40:18 mrpg: Reading data table
14:40:18 mrpg: Reading product table
14:40:18 mrpg: Generating system configuration file
14:40:18 mrpg: Reading comms configuration
14:40:19 mrpg: Removing all RPG operational tasks
14:40:19 mrpg: Checking/creating/clearing RPG data stores - startup
14:40:19 mrpg: Executing init commands - startup
14:40:19 mrpg: --->Initialize Adaptation Data
14:40:20 mrpg: --->Initialize the Binary Task Attribute Table
14:40:21 mrpg: --->Initialize Critical Data Stores
14:40:21 mrpg: --->Initialize RDA Alarms Table
14:40:22 mrpg: --->Initialize the ITCs
14:40:22 mrpg: --->Check HYDROMET Files.
14:40:23 mrpg: --->Initialize HYDROMET Files.
14:40:23 mrpg: --->Initialize GSM
14:40:23 mrpg: --->Initialize Binary Product Attributes Table
14:40:24 mrpg: --->Initialize Product Distribution
14:40:24 mrpg: --->Initialize Routine Request Product Generation
14:40:25 mrpg: --->Initialize Product Generation Tables
14:40:25 mrpg: --->Initialize Alert Requests/Alert Thresholds
14:40:26 mrpg: --->Initialize Loadshed Information
14:40:26 mrpg: --->Initialize Clutter
14:40:27 mrpg: --->Initialize cm_ping
14:40:27 mrpg: --->Initialize LDM
14:40:27 mrpg: --->Initialize RDA Adaptation Data
14:40:28 mrpg: Starting operational processes
14:40:40 mrpg: All operational processes started. Waiting for OP ready ...
14:40:43 mrpg: RPG State: OPERATE
14:40:43 mrpg: RPG Operability Status: ONLINE
14:40:43 mrpg: RPG System Startup Completed
14:40:43 mrpg: RPG startup completed
lnxeng1 ~orpg2:/export/home/orpg2>
```

1.2 T1 ➔ Start the RPG. NOTE: Starting the RPG will update the *Main RDA HCI* window.

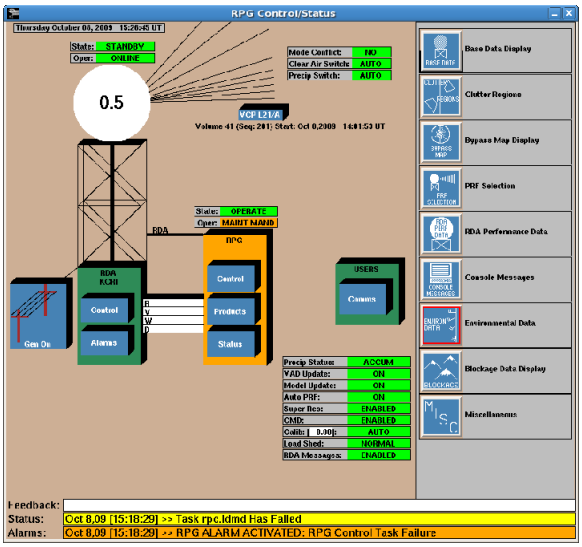
```
lnxeng1 ~orpg2:/export/home/orpg2> mrpg startup  [ENTER]
lnxeng1 ~orpg2:/export/home/orpg2>mrpg startup
10/08/09 15:09:14 mrpg: Reading task tables
15:09:14 mrpg: Start up RPG - Non-operational
15:09:14 mrpg: Reading data table
15:09:14 mrpg: Reading product table
```

```
15:09:15 mrpg: Generating system configuration file
15:09:15 mrpg: Reading comms configuration
15:09:16 mrpg: Removing all RPG operational tasks
15:09:16 mrpg: Checking/creating/clearing RPG data stores - startup
15:09:16 mrpg: Executing init commands - startup
15:09:16 mrpg: --->Initialize Adaptation Data
15:09:18 mrpg: --->Initialize the Binary Task Attribute Table
15:09:18 mrpg: --->Initialize Critical Data Stores
15:09:19 mrpg: --->Initialize RDA Alarms Table
15:09:19 mrpg: --->Initialize the ITCs
15:09:19 mrpg: --->Check HYDROMET Files.
15:09:20 mrpg: --->Initialize HYDROMET Files.
15:09:20 mrpg: --->Initialize GSM
15:09:21 mrpg: --->Initialize Binary Product Attributes Table
15:09:21 mrpg: --->Initialize Product Distribution
15:09:22 mrpg: --->Initialize Routine Request Product Generation
15:09:22 mrpg: --->Initialize Product Generation Tables
15:09:23 mrpg: --->Initialize Alert Requests/Alert Thresholds
15:09:23 mrpg: --->Initialize Loadshed Information
15:09:24 mrpg: --->Initialize Clutter
15:09:24 mrpg: --->Initialize cm_ping
15:09:24 mrpg: --->Initialize LDM
15:09:25 mrpg: --->Initialize RDA Adaptation Data
15:09:25 mrpg: Starting operational processes
15:09:38 mrpg: All operational processes started. Waiting for OP ready ...
15:09:40 mrpg: RPG State: OPERATE
15:09:40 mrpg: RPG Operability Status: ONLINE
15:09:40 mrpg: RPG System Startup Completed
15:09:40 mrpg: RPG startup completed
lnxeng1 ~orpg2:/export/home/orpg2>
```



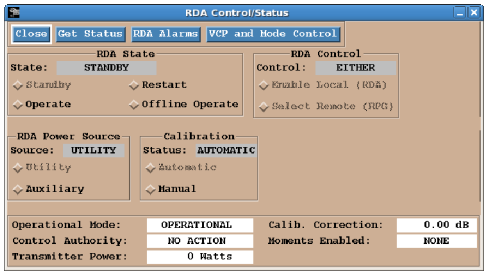
1.3 T1 ➔ Start the RPG HCI (aka – *RPG Control/Status* window).

```
lnxeng1 ~orpg2:/export/home/orpg2> hci&   [ENTER]
lnxeng1 ~orpg2:/export/home/orpg2>
```

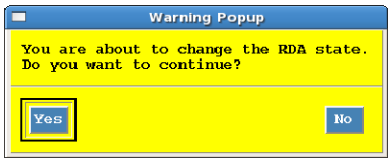


2.0 CONTROL THE RDA FROM RPG

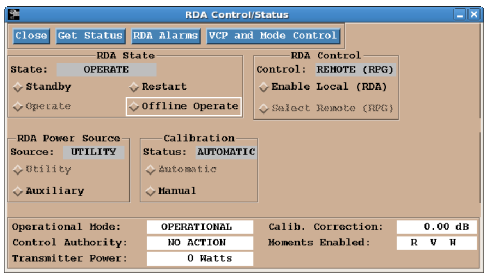
2.1 Press the **Control** button on the RDA section of the *RPG Control/Status* window.



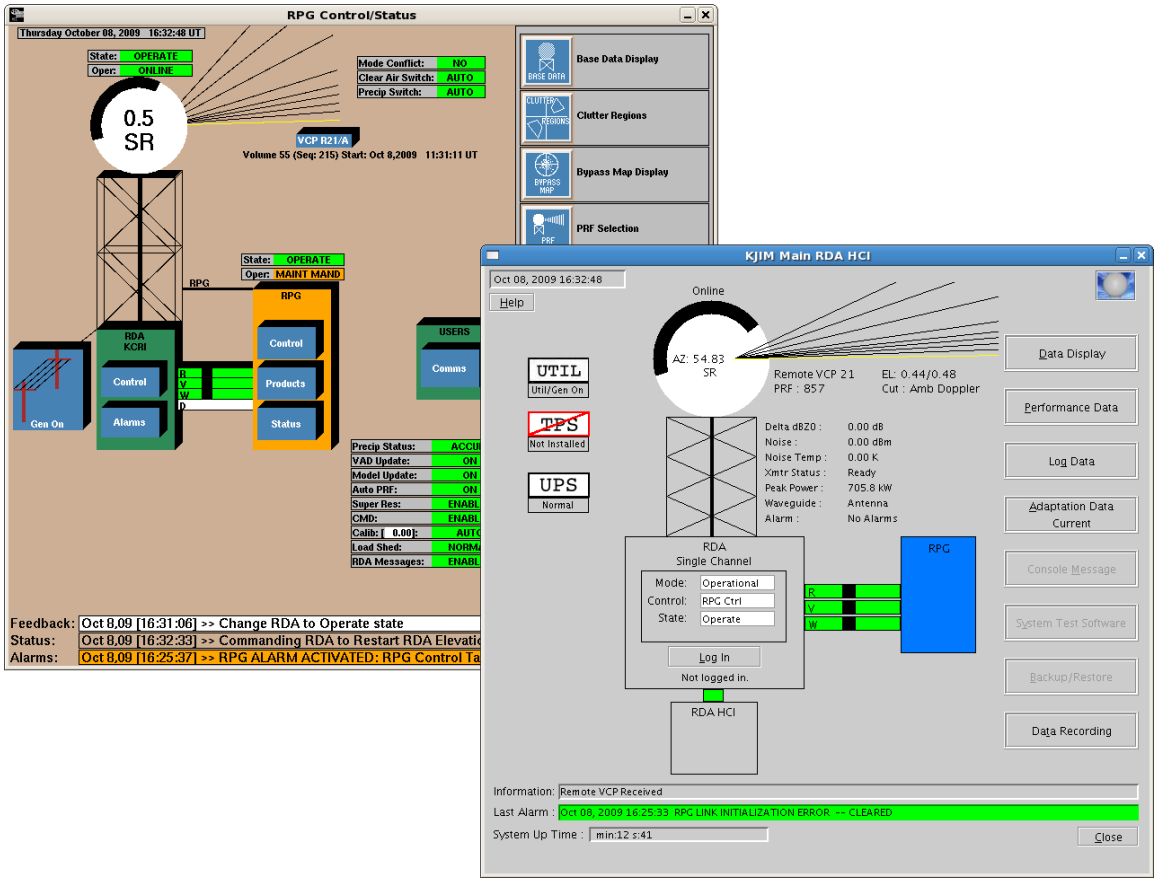
2.2 Press the Operate button on the RPG's RDA Control/Status window.



2.3 Press the YES button on the RPG's Warning Popup window.



2.4 The RPG's *RDA Control/Status* window now shows the RDA being in an operational state with the RPG being in control remotely. Close the RPG's *RDA Control/Status* window by pressing the **Close** button.



The RPG and RDA are now talking to each other and ready for use.