

**Ref: FAQ0349****Version: 1.0****Title - Radcom loggers - call in rules****Made By: AB 30/11/15****(Issue 1)**

## **Radcom telemetry loggers – call in rules**

**If logger has a 15 minute call in configured the following rules apply :-**

If it has no external battery it will fall back to 2 calls per day 1 each at 6am and 6pm.

If there have been no successful GPRS calls for 24 hours and the SMS back-up is enabled it will send its data using SMS at the first call time in the call times table (default 6am).

If there have been 3 consecutive GPRS call failures it will fall back to once per day.

**Call failures can be as follows: -**

The modem does not respond to communications with the main logger processor for 10seconds.  
(The exception to this is GPRS 'context activation' – part of network access 'handshake'.)

GSM network registration cannot be completed for 2 minutes.

GPRS network registration cannot be completed for 1 minute.

GPRS context activation fails.

Server DNS resolution fails.

No response is received from the UDP server.

The logger battery is measured to be below the cut off threshold for 10 consecutive samples  
1second apart.

The logger is using an external battery box and the battery voltage at the end of the call in is less than the voltage at the beginning minus 2 volts.

The logger is using internal batteries and the battery voltage at the end of call in is less than 5V.

A watchdog or low voltage reset occurs.

If network registration has failed for 3 days the logger will stop attempting to call in until it sees a successful registration at the start of the 3pm power window.

When a successful call is made it will revert back to normal (configured) calls.

### **Document History:**

| <b>Edition</b> | <b>Date of Issue</b> | <b>Modification</b> | <b>Notes</b> |
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| 1st            | 30/11/15             | Release             |              |
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