

# Acnet Reboot Message

*Declare front end alive*

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Although Acnet client nodes use periodic queries to try to keep track of front ends that are alive and working, after a long time of not hearing anything back from such queries of a given front end, the front end is declared officially "down," after which the periodic queries cease. If such a front end subsequently comes up, it should report its state of being alive to the Acnet system, so that active requests can be restarted. To that end, a message format has been designed for this report. This note describes its format as it relates to Linac and IRM front ends.

The format of the USM message that is to be sent targets destination task name `FSMSET` on Acnet node `CFSS`. Using similar field names as used in the MOOC front ends, the message layout is as follows:

<i>Field</i>	<i>Size</i>	<i>Meaning</i>
<code>typecode</code>	2	value of 10 indicates the meaning described here
<code>numof</code>	2	number of announcements (1)
<code>r50name</code>	4	task name reporting ( <code>ACNAUX</code> ), in RAD50 = <code>0x06C609A0</code>
<code>trnode</code>	2	local trunk-node, for example, <code>0x0972</code> for <code>node0611</code>
<code>fo_vmdi</code>	4	word-swapped device index #140218 = <code>0x23BA0002</code>
<code>fo_state</code>	2	local trunk-node again

The Acnet trunk-node for `CFSS` is `0x09E8`.

The destination task name for `FSMSET` in RAD50 notation is `0x2885779C`.

The Acnet device name associated with the device index above is `v:FEUP`.

The above USM message can be sent by the local application `AAUX` that supports the "Acnet-aux" `ACNAUX` protocols. When the LA is activated, as normally happens right away after a reboot, it will ship out this message to `CFSS`.