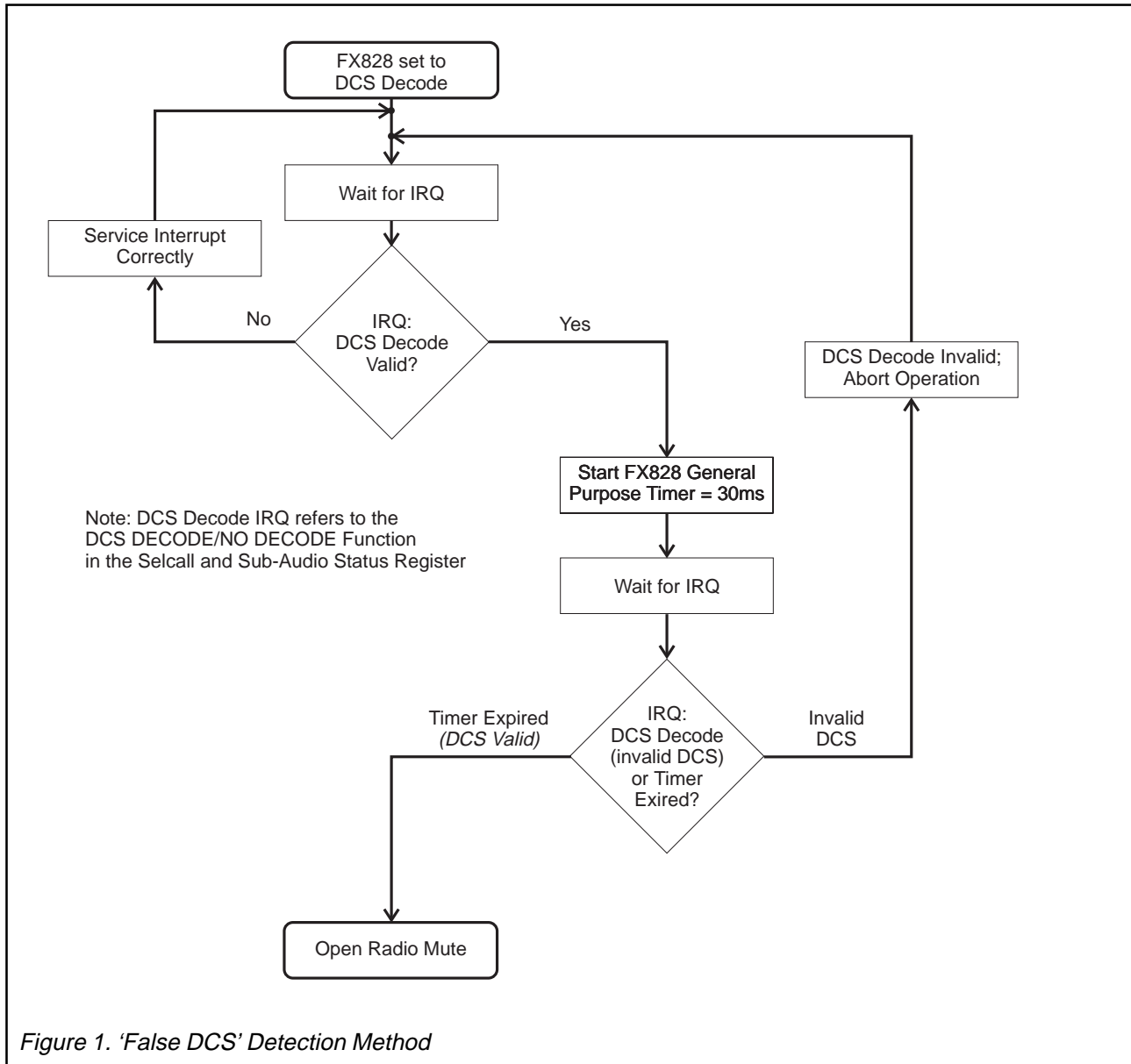


Elimination of False Digitally Coded Squelch (DCS) Decodes in the FX828

The FX828's DCS decode algorithm is very fast in its response to received DCS codes. This advantage however, can manifest itself as false decodes from a transmitter that is not using sub-audio signalling. This, unfortunately, is due to components of the speech with frequencies in the sub-audio band which alias in the decoder.

This application note offers a simple software-time integration to avoid this this occurring.



The above procedure will have the effect of increasing the DCS decode time to only 200ms but will radically reduce the occurrence of false DCS decodes due to external causes.

Note that this Application Note is intended to be used in conjunction with the current CML Product Data Sheet; printed Specifications apply.
CML does not assume any responsibility for the use of any circuitry described. No circuit patent licences are implied
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