PROJECT SHEET

Project Name:**PSK Interface Project**	Date::1 Jan 2015
Proposed By: Frank VA7FWA and Jack VA7JX	

Scope (what this project covers)
The development of a PSK sound card interface box that will allow data transfer by radio using PSK31 or other digital modes.
This is intended to have the dual objectives of:
1. Introducing members to the construction of home brew electronic projects.
2. Providing members with interface units for data transfer which may be useful in emergency situations.

Situation (briefly - what is the past history and present situation)
This is a project that was commenced in 2013 and is now being adopted as an official CRARS project.
It was initially intended to be a soldering project for the members using a circuit developed by G4ILO termed USBLink and made up breadboard style on generic circuit boards.
The circuit was critiqued by various knowledgeable members and Jack VA7JX undertook to develop a simpler model which would use a home etched PC board.
This is now in the final stages of design and testing and will be the subject of a series of education sessions taking members through the stages of:
PC etching.
Circuit explanation on the component level.
Demonstration of PSK31
Soldering equipment, soldering techniques and assembly of units.

Major Issues/Problems/Concerns or Products that will be studied or Resolved

This is an experimental introduction to electronic circuit construction for hams who, in many cases, will have had little or no exposure to hands-on electronic work.
Availability of good soldering stations is expected to be a constraint.
The time available at education sessions is limited and it may be necessary to schedule a separate group construction session.

Final Deliverable: Will be on completion of 5 units	Date expected to be before the end of 2015