

JATF Preliminary Requirements Request for SOFWERX OCR CRA

Based on limited understanding of actual technical capabilities, this document does not specify hard requirements but is rather oriented towards current and near future potential capabilities that might be integrated into a language translation hard and software solution currently in development by JATF HEO.

- 1) Would like to have an OCR capability that can read documents for the traditional scanning and translation type functions.
- 2) Would also like it to be able to read items like billboards, signs, and posters at various distances as far as the OCR lens and cameras can reach.
- 3) We will have the language data library to be married with the OCR, so it will need to be able to be integrated into current software and language library.
- 4) Would like it to be as small as possible, but form factors can range from glasses to be low visibility, or could be binoculars for blending as tourist. Open to options in this category and multiple options would be good.
- 5) Speed of image acquisition and translation is important.
- 6) Ability for operator to change size parameters for capture, storage and transmission is important.
- 7) MUST be able to work, completely disconnected from the cloud.
- 8) Ability to work from a phone as one form factor is desirable.
- 9) Ability to scan room, or street environment, single out texts from signs, posters, advertisement in surroundings and translate would be ideal.
- 10) Ability to capture, store, translate and be searchable later for operator to review after route would be desirable.
- 11) Software that can be loaded on a laptop for later examination of captured/translated images on phone or other small form factor is good.
- 12) Ability to have operator select, (button click) or open automatic collect is ideal.
- 13) The ability to read standard and DIGITAL Billboards is desirable.
- 14) The Ability to read road signs and be converted to voice speech would be a tremendous aid to navigation for mobile operations with a singleton driver.