



General Support Agreement
ISA Service Packages



Taoglas USA Inc
8375 Camino Santa Fe
Suite A, San Diego
California 92121, USA

Telephone: +1 858 450 0888
Email: nasales@taoglas.com

www.taoglas.com

Code: ISA.10**Title:** Initial System Review & Analysis**Deliverables:** Report and interactive technical support**Item:**

- High level system review
- Antenna performance requirements analysis
- Antenna selection options
- Antenna Integration Plan

Time: 2 days**Code: ISA.12****Title:** Transmission Line Design & Gerber Design Review**Deliverables:** PCB Transmission line Design**Item:**

- PCB transmission line design
- Gerber file review

Time: 2 days**Code: ISA.20****Title:** Detailed Performance and Certification
Readiness Review**Deliverables:** Report and interactive technical support**Item:**

- Detailed analysis of design documents including schematic, PCB layout, BOM & mechanical models.
- Specific recommendations from the component level up to the system architecture level in order to minimize the risk of performance and certification problems for all radios in the system.
- Schematic recommendations
- PCB layout recommendations
- BOM recommendations
- Mechanical recommendations
- High level design verification test plan, what kind of testing will be needed to prove the design works
- High level certification test plan, what certification tests will be needed and what order to do them in

Time: 3 weeks

Code: ISA.21**Title:** Detailed RF Performance Optimization Review**Deliverables:** Report and interactive technical support**Item:**

- Detailed analysis of design documents including schematic, PCB layout, BOM & mechanical models.
- Specific recommendations from the component level up to the system architecture level in order to minimize the risk of performance and certification problems for all radios in the system.
- Schematic recommendations
- PCB layout recommendations
- BOM recommendations
- Mechanical recommendations

Time: 3 weeks**Code: ISA.30****Title:** Radio Product Manufacturing Test Plan**Deliverables:** Report and interactive technical support**Item:**

- Detailed analysis of test requirements for all radios in the system.
- List of what specifically needs to be tested in manufacturing for each radio in the system, descriptions of the tests, what equipment is required, passing test metrics, data management recommendations and labelling recommendations.

Time: 2 weeks**Code: ISA.40****Title:** Multi-Antenna Isolation Measurements**Deliverables:** Antenna Isolation Report**Item:**

- Antenna installed on a customer device prototype board, with extra antenna prototypes
- Multi-Antenna isolation performance matrix

Time: 3 Days**Code: ISA.50****Title:** Passive Mode Antenna Testing**Deliverables:** Antenna Performance Report**Items:**

- Antenna installed on a customer device prototype board, with extra antenna prototypes.
- Matching circuit diagram and documentation of values if relevant (or cable routing diagram, antenna position/mounting etc.).
- Final antenna position and integration method.
- Return Loss, VSWR, Average Gain, Efficiency, Peak Gain and Radiation Patterns.
- Documented performance measurements.

Time: 3 Days