

Defining and planning for technical support in advanced military DSP designs

Technical and schedule risks, long development cycles, significant developmental investment—these are just some of the factors that make DSP technology selection a critical decision in advanced military digital signal processing (DSP) designs. Whether you're developing radar, electronic warfare, signal intelligence, or other sensor systems, look to Altera for a variety of technical and planning support resources throughout your acquisition lifecycle.

Proposal phase

Altera's sales personnel have access to critical technology roadmap resources that can be used in project proposals. We also tap into customer requirements to help define next-generation products. In addition, our military business unit can help with identifying part schedules, early pricing, and proposal writing, and also providing information on technology partnerships.

Customers in high-profile source selection activities have Altera executive advocates assigned for teaming, technical and business proposal development, and direct interfacing with government sources. This can be useful in solidifying product schedules and in technology readiness-level assessments and commitment to product readiness.

Algorithm development

During the algorithm development phase of a military DSP program, our sales support can help you acquire prototyping platforms through Altera or partners. We also offer factory and field technical support for any program.

Our regional DSP application specialists can assist in tool use or in developing your algorithm flow. Clearable field support personnel are pre-screened, enabling customer sponsorship of clearances as part of a DSP development program and risk-management plan.

Altera has also added ITAR technical support to provide direct assistance with designs where infrastructure allows secure file transfer. In programs with critical development schedules, Altera's military business unit also is available for technical and business support, such as third-party intellectual property (IP), floating-point algorithm support, and development partnerships.

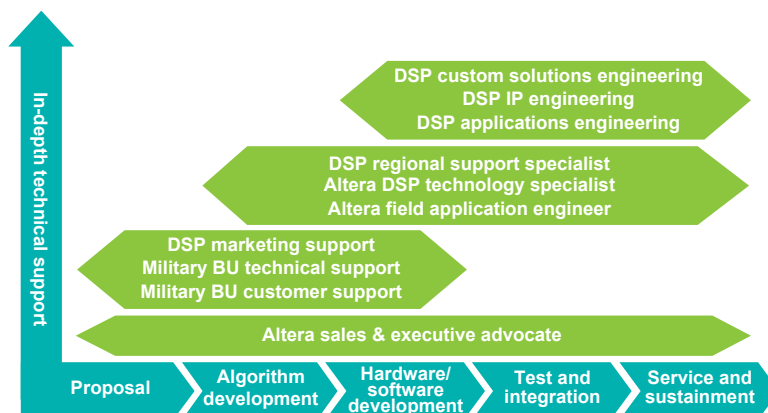
Hardware and software development

Our DSP support structure provides:

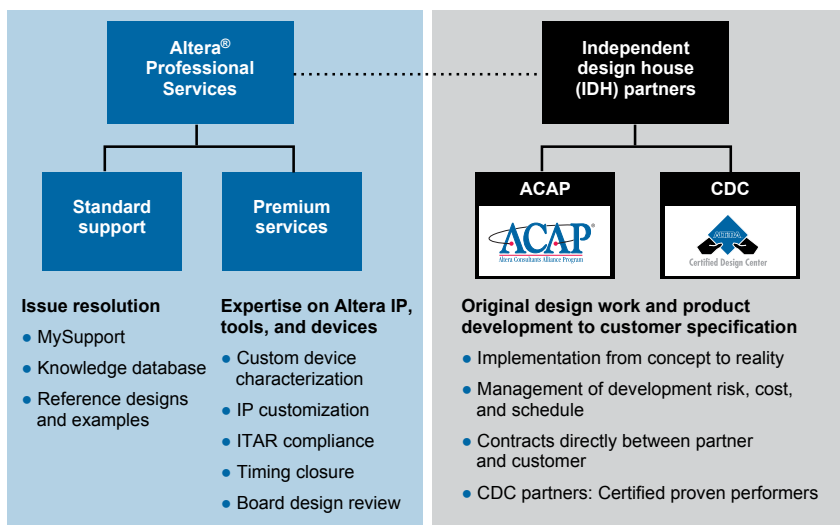
- Reference design library
- Knowledge database
- Troubleshooting checklists
- IP support
- User communities moderated by Altera
- Design checklists and wizards
- Software tool and licensing support
- Download center
- Service request system (including ITAR request flow)

In addition to factory technical support, the full range of sales, channel, distributor, field applications, and business unit resources are available to answer questions and assist with information needed to support engineering change notices, technical upgrades, risk management plans, and block upgrades.

Altera's support for military design development



Altera's support and design services offerings



Test and integration

Systems integration and test marks a historically schedule-critical portion of the military design process. While the full spectrum of Altera factory technical support is available during this phase, local and regional field applications specialists are ready and (with customer support) clearable to assist in final integration. We're dedicated to your program success, and can be prepared for shoulder-to-shoulder program support with sufficiently early involvement and partnership.

Altera also offers standard and premium support for a variety of design service requests both internally and through partners.

Continued support

As your programs enter the service and sustainment phases, you might require continued technical support, whether for updated technical specifications, block upgrade paths, or IP compatibility with hardware and software upgrades. Field support and factory support are available, and can also be negotiated in advance as part of a program logistics and sustainment or risk management plan.

Want to know more?

If you would like to learn more about Altera's DSP solutions, contact your local Altera sales representative or FAE, or visit www.altera.com/dsp.

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Development and design services

Often, specific parts of an FPGA system design are either technology-critical or outside the core competency of the integrating design team and their primary design-team partners.

Altera has identified the following worldwide partners who have provided Altera-based design services to defense and commercial customers for the full range of our products:

- AimCom, The Netherlands
- BitSim, Stockholm, Sweden
- Digital Design Corporation (DDC), Arlington Heights, IL
- El Camino GmbH, Steinach, Germany
- Elektrobit, Ltd., Oulu, Finland
- Ingenieurbüro für IC-Technologie (IFI), Wirtheim, Germany
- Integre Technologies, LLC., Pittsford, NY
- Lewis Innovative Technologies, Moulton, AL
- Logic Product Development, Minneapolis, MN
- Mantaro Networks, Inc., Germantown, MD
- Nuvation, San Jose, CA
- Octera, San Diego, CA
- Parsec, South Africa
- Plexus Technology Group, Neenah, WI
- ReFLEX CES, Aix en Provence, France
- Wipro, Bangalore, India

