

**Position Description**  
for  
F-35 Joint Program Office MPS # 1335

**TITLE:** COMSEC Engineer Senior

**IPT SUPPORTED:** F-35 Joint Program Office (F-35 JPO), Security Functional Team

**POSITION LOCATION:** On-site at the Government's Facility located at  
F-35 Joint Program Office  
200 12<sup>th</sup> Street South, Suite 600  
Arlington, VA 22202 -or-  
Previously approved offsite contractor location

**GS EQUIVALENT:** GS-13

**FUNDING SOURCE:** USG

**GENERAL DESCRIPTION:**

This individual shall perform COMSEC engineering for the F-35 cryptographic and key management architecture. This includes assisting with NSA approval of cryptographic changes to the baseline F-35 End Cryptographic Units (ECUs) as well as new developments of F-35 ECUs. It also includes validating the usage of F-35 keying material to the operational Controlling Authorities.

**DUTIES:**

1. Provide liaison to the National Security Agency for the approval of cryptographic changes to the baseline F-35 End Cryptographic Units (ECUs) as well as new developments of F-35 ECUs.
2. Validate the usage of F-35 keying material by all F-35 users (domestic and international) to the operational Controlling Authorities.
3. Provide modern cryptographic and key management expertise to the F-35 development process.
4. Assist the F-35 International Customers with COMSEC preparation and ongoing operational usage of the F-35 Air System.
5. Assist with execution of F-35 Cryptographic Working Groups for the US Services and International Customers.
6. Liaise with National and Service COMSEC organizations to ensure policies are followed and/or modified to effectively execute COMSEC activities for F-35 development, test, and operational environments.
16. Analyze C&A COMSEC packages for deficiencies and provide recommendations for acceptance and remediation.

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**QUALIFICATIONS: (Education and or experience)**

Required:

- *Possess a BA/BS degree in Computer Science, Mathematics, Engineering or a related field from an accredited college or university*
- *Possess seven (7) years' experience in developing COMSEC key architectures*
- *Demonstrated experience with system developers and international partners in cryptographic algorithms and End Cryptographic Unit (ECU) certification*
- *Possess seven (7) years' experience ECU deliverables and process*
- *Possess familiarity with NSA cryptographic development and certification process key material use*
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- *Relevant experience with system security architectures and cryptographic designs required to be releasable to NATO and Foreign Military Sales Customers*
- *Passport required*

**IPT TECHNICAL POCs:** Administratively: Jeffrey O'Donnell, F-35 Acting Security Director

Operationally: Shane Brockway, SSE IPT Lead

**SECURITY CLEARANCE:** *Final Top Secret clearance with a Periodic Reinvestigation no older than five years*

**TRAVEL REQUIREMENTS:** Frequent CONUS/OCONUS travel (1-2 trips per month) to government and contractor facilities.

**ANTICIPATED START DATE:** ASAP