

# F-16 TRAINING CATALOG

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### 1. F-16 TYPE TRAINING

In this section of the course descriptions:

- Course duration: 1 week means five working days and the daily schedule as mentioned before.
- Maximum class size: is a suggestion based on our expertise. As already mentioned, the number can be discussed based on your specific situation.
- Prerequisites: apart from the described knowledge, skills and attitudes, all participants must be proficient in written and spoken English.
- Course content: again is a suggestion based on our expertise.

#### 1.1. F-16 TECHNICAL ENGLISH

Type:	Theoretical
Course duration:	1 week
Maximum class size:	20 students
Objective:	At the end of the course, the students will be able to identify and apply the technical English commonly used in an F-16 environment.
Recommended for:	Technicians who will work in F-16 maintenance.
Prerequisites:	The participants must be experienced aircraft technicians.
Course content:	The English course content is derived from different F-16 training course materials. This means that the F-16 Technical English course content depends on the specific jobs of the F-16 technicians and their responsibilities within the customers organization. At the same time, the course refreshes aspects of the grammar as required.

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### 1.2. F-16 SHEET METAL ADVANCED

Type:	Theoretical and practical
Course duration:	16 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to perform maintenance tasks on the construction of an F-16.
Recommended for:	Sheet metal technicians who will work on the F-16.
Prerequisites:	The participants must be experienced aircraft sheet metal technicians.
Course content:	<ul style="list-style-type: none"><li>- Using different materials</li><li>- Properly use tools and fasteners</li><li>- Perform mechanical measurements</li><li>- Perform corrosion prevention and control</li><li>- Reading technical drawings</li><li>- Use technical books</li><li>- Recognize material cracks</li><li>- Use of sealing compound</li></ul>

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### 1.3. F-16 FAMILIARIZATION

Type:	Theoretical
Course duration:	3 weeks
Maximum class size:	12 students
Objective:	At the end of the course, the students will be able to identify and apply the F-16 and the F-16 (sub)systems.
Recommended for:	Maintenance managers, and/or maintenance technicians who will work on F-16 and/or related systems.
Prerequisites:	The participants must be F-16 maintenance managers and/or maintenance technicians.
Course content:	The course provides a general theoretical knowledge of the F-16 and the F-16 systems.

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### 1.4. F-16 LINE MAINTENANCE

Type:	Theoretical
Course duration:	5 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to identify and apply the most relevant maintenance tasks to be carried out on the F-16 flight line.
Recommended for:	Aircraft maintenance technicians who will maintain the F-16 as line maintenance technicians.
Prerequisites:	The participants must be experienced aircraft maintenance technicians.
Course content:	<ul style="list-style-type: none"><li>- F-16 Technical Manuals: pre-, thru-, post flight inspections</li><li>- Handling and servicing</li><li>- Calendar and Flight hour inspections</li><li>- Flight line maintenance activities</li><li>- Airplane reconfiguration</li></ul>
Type:	Practical on the job
Course duration:	10 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to perform F-16 line maintenance tasks.
Recommended for:	Aircraft maintenance technicians who will maintain the F-16 as line maintenance technicians.
Prerequisites:	The participants must have satisfactory completed the F-16 Line Maintenance theoretical course.
Course content:	<ul style="list-style-type: none"><li>- F-16 Technical Manuals: pre-, thru-, post flight inspections</li><li>- Handling and servicing</li><li>- Calendar and Flight hour inspections</li><li>- Flight line maintenance activities</li><li>- Airplane reconfiguration</li></ul>

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### 1.5. F-16 SYSTEM MAINTENANCE

Type:	Theoretical
Course duration:	5 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to identify and apply maintenance tasks of the F-16 mechanical systems.
Recommended for:	Aircraft mechanical technicians who will maintain the F-16 as a system maintenance technician.
Prerequisites:	The participants must be experienced aircraft mechanical technicians.
Course content:	<ul style="list-style-type: none"><li>- F-16 Technical Manuals</li><li>- Airframe</li><li>- Engine</li><li>- Hydraulic-, pneumatic, fuel and related systems, their operation and maintenance</li></ul>
Type:	Practical on the job
Course duration:	8 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to perform maintenance tasks on the F-16 mechanical systems.
Recommended for:	Aircraft mechanical technicians who will maintain the F-16 as a system maintenance technician.
Prerequisites:	The participants must have satisfactory completed the F-16 System Maintenance theoretical course.
Course content:	<ul style="list-style-type: none"><li>- System components: removal, replacement and system testing</li><li>- System handling and servicing</li><li>- System inspections</li></ul>

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### 1.6. F-16 LINE MAINTENANCE DELTA FOR F-16 SYSTEM MAINTENANCE

Type:	Theoretical
Course duration:	2 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to identify and apply relevant maintenance tasks to be carried out on the F-16 flight line.
Recommended for:	Aircraft mechanical technicians who will maintain the F-16 as line maintenance technicians.
Prerequisites:	The participants must be experienced aircraft mechanical technicians.
Course content:	<ul style="list-style-type: none"><li>- Pre-, thru-, post flight inspections</li><li>- Handling and servicing</li><li>- Calendar and Flight hour inspections</li><li>- Flight line maintenance activities</li><li>- Airplane reconfiguration</li></ul>
Important note	Course will only be given in combination with the F-16 System Maintenance course.

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### 1.7. F-16 HYDRAZINE SPILL CLEAN UP

Type:	Theoretical
Course duration:	1 week
Maximum class size:	4 students
Objective:	At the end of the course, the students will be able to identify and apply maintenance tasks on the Emergency Power System (EPS).
Recommended for:	F-16 Line Maintenance or F-16 System Maintenance Technicians who will work as members of the Hydrazine Spill Clean Up team.
Prerequisites:	The participants must have satisfactory completed the F-16 Line Maintenance or F-16 System Maintenance course and/or be experienced F-16 aircraft technicians.
Course content:	<ul style="list-style-type: none"><li>- EPS components</li><li>- EPS System operation</li></ul>

Type:	Practical on the job
Course duration:	1 week
Maximum class size:	4 students
Objective:	At the end of the course, the students will be able to perform clean up procedures on the hydrazine spill.
Recommended for:	F-16 Line Maintenance or F-16 System Maintenance Technicians who will work as members of the Hydrazine Spill Clean Up team.
Prerequisites:	The participants must have satisfactory completed the F-16 Hydrazine Spill Cleanup theoretical course.
Course content:	<ul style="list-style-type: none"><li>- Hydrazine spill and clean up procedures and tasks</li></ul>



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### 1.8. F-16 F100 ENGINE MAINTENANCE

Type:	Theoretical
Course duration:	8 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to identify and apply maintenance tasks on the F-16 F100-PW-220 engine.
Recommended for:	Engine technicians who will maintain the F100-PW-220 engine.
Prerequisites:	The participants must be experienced aircraft engine technicians.
Course content:	<ul style="list-style-type: none"><li>- F100-PW-220 Technical Manuals</li><li>- the engine modular concept</li><li>- engine construction</li><li>- fuel system</li><li>- engine electronic control system</li><li>- variable geometry -, engine monitoring system and components</li><li>- Starting system and the Joint Oils Analyze program (JOAP)</li></ul>
Type:	Practical on the job
Course duration:	8 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to perform maintenance tasks on the F-16 F100-PW-220 engine.
Recommended for:	Engine technicians who will maintain the F100-PW-220 engine.
Prerequisites:	The participants must have satisfactory completed the F100-PW-220 engine maintenance theoretical course.
Course content:	<ul style="list-style-type: none"><li>- System components: removal, replacement and testing</li><li>- System inspections</li><li>- Handling, servicing and troubleshooting</li></ul>

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### 1.9. F-16 WEAPONS TECHNICIAN

Type:	Theoretical
Course duration:	7 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to identify and apply maintenance tasks on the F-16 weapon system.
Recommended for:	Weapons technicians who will maintain the F-16 weapon systems as F-16 weapons technicians.
Prerequisites:	The participants must be experienced aircraft weapon technicians.
Course content:	<ul style="list-style-type: none"><li>- F-16 weapons system technical Manuals</li><li>- Ammunition</li><li>- Fire control system</li><li>- Stores management system</li><li>- Gun system</li><li>- Crew escape and safety system</li><li>- Weapon suspension</li><li>- Electronic warfare management</li><li>- Advanced counter measure dispensing system</li></ul>

Type:	Practical on the job
Course duration:	6 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to perform maintenance tasks on the F-16 weapon system.
Recommended for:	Weapons technicians who will maintain the F-16 weapon systems.
Prerequisites:	The participants must have satisfactory completed the F-16 weapon technician theoretical course.
Course content:	<ul style="list-style-type: none"><li>- System components; removal, replacement and system testing</li><li>- System handling and servicing</li><li>- System inspections</li></ul>

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### 1.10. F-16 EGRESS (F16 CREW ESCAPE AND SAFETY SYSTEM)

Type:	Theoretical
Course duration:	3 weeks
Maximum class size:	4 students
Objective:	At the end of the course, the students will be able to identify and apply maintenance tasks on the F16 Crew Escape and Safety System.
Recommended for:	F-16 weapons technicians who will maintain the F-16 F16 Crew Escape and Safety System as an F-16 EGRESS technician.
Prerequisites:	The participants must have satisfactory completed the F-16 Weapons Technician Maintenance theoretical course and must be experienced F-16 Weapon Technicians.
Course content:	<ul style="list-style-type: none"><li>- Technical Manuals</li><li>- CAD/PAD items</li><li>- Canopy</li><li>- ACES II ejections seat</li><li>- Survival kit</li><li>- EGRESS tasks</li></ul>

Type:	Practical on the job
Course duration:	7 weeks
Maximum class size:	4 students
Objective:	At the end of the course, the students will be able to perform maintenance tasks on the F16 Crew Escape and Safety System (EGRESS) system.
Recommended for:	F-16 weapons technicians who will maintain the F-16 Crew Escape and Safety System as F-16 EGRESS technicians.
Prerequisites:	The participants must have satisfactory completed the F-16 EGRESS theoretical course.
Course content:	<ul style="list-style-type: none"><li>- System components; removal, replacement and system testing</li><li>- System handling and servicing</li><li>- System inspections</li></ul>

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### 1.11. F-16 ELECTRICAL MAINTENANCE (AVT A)

Type:	Theoretical
Course duration:	6 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to identify and apply maintenance tasks on the F-16 electrical system.
Recommended for:	Electrical technicians who will maintain the F-16 electrical systems.
Prerequisites:	The participants must be experienced aircraft electrical technicians.
Course content:	<ul style="list-style-type: none"><li>- Technical Manuals</li><li>- Schematic and wiring diagrams</li><li>- Electrical power</li><li>- Fuel system</li><li>- Electronic Warfare Management</li><li>- Fatigue Analysis and Combat Evaluation</li><li>- Flight control system</li></ul>

Type:	Practical on the job
Course duration:	7 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to perform maintenance tasks on the F-16 electrical system.
Recommended for:	Electrical technicians who will maintain the F-16 electrical systems.
Prerequisites:	The participants must have satisfactory completed the F-16 electrical maintenance theoretical course.
Course content:	<ul style="list-style-type: none"><li>- System components; removal, installation, replacement and system testing</li><li>- System handling and servicing</li><li>- System inspections</li></ul>

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### 1.12. F-16 AVIONICS MAINTENANCE (AVT B)

Type:	Theoretical
Course duration:	11 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to identify and apply maintenance tasks of the F-16 avionic system.
Recommended for:	Avionics technicians who will maintain the F-16 avionics systems.
Prerequisites:	The participants must be experienced aircraft avionics technicians.
Course content:	<ul style="list-style-type: none"><li>- Technical Manuals</li><li>- Schematic and wiring diagrams</li><li>- Flight control</li><li>- Fire control</li><li>- Communication</li><li>- Fatigue Analysis and Combat Evaluation</li><li>- Voice and Data recorder</li><li>- Electronic Warfare Management</li><li>- Forward looking infra red system Target Pod (TGP)</li></ul>
Type:	Practical on the job
Course duration:	7 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to perform maintenance tasks on the F-16 avionics system.
Recommended for:	Avionics technicians who will maintain the F-16 avionics systems.
Prerequisites:	The participants must have satisfactory completed the F-16 avionics maintenance theoretical course.
Course content:	<ul style="list-style-type: none"><li>- System components; removal, replacement and system testing</li><li>- System handling and servicing</li><li>- Use of test equipment</li><li>- System inspections</li><li>- System trouble shooting</li></ul>

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### 1.13. F-16 FLIGHT SAFETY EQUIPMENT

Type:	Theoretical
Course duration:	4 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to identify and apply maintenance tasks on the F-16 flight safety equipment.
Recommended for:	Flight safety equipment technicians who will maintain the F-16 flight safety equipment.
Prerequisites:	The participants must be experienced aircraft flight safety equipment technicians.
Course content:	<ul style="list-style-type: none"><li>- F-16 Flight Safety Equipment Technical Manuals</li><li>- Escape system survival equipment</li><li>- Parachutes</li><li>- Drag chute</li><li>- Crew personal equipment</li><li>- Working with different Flight Safety Equipment materials</li></ul>

Type:	Practical on the job
Course duration:	5 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to perform maintenance tasks on the F-16 flight safety equipment.
Recommended for:	Flight safety equipment technician who will maintain the F-16 flight safety equipment.
Prerequisites:	The participants must have satisfactory completed the F-16 flight safety equipment technician theoretical course.
Course content:	<ul style="list-style-type: none"><li>- System components; repair, removal, replacement and system testing</li><li>- System inspections</li></ul>

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### 1.14. F-16 MAINTENANCE OFFICER

Type:	Theoretical
Course duration:	6 weeks
Maximum class size:	8 students
Objective:	At the end of the course, the students will be able to apply their newly gained knowledge as qualified F-16 Maintenance Managers.
Recommended for:	Qualified technical officers who will work with F-16 and/or related systems.
Prerequisites:	The participants must be experienced technical qualified officers.
Course content:	<ul style="list-style-type: none"><li>- F-16 Manuals</li><li>- Airplane general</li><li>- Environmental control</li><li>- Fuel</li><li>- Pneudraulic power</li><li>- Engine</li><li>- Display and controls</li><li>- Fire control</li><li>- Flight control</li><li>- Navigation</li><li>- Sensing</li><li>- Stores management</li><li>- Communication</li><li>- Forward looking infra red</li><li>- Electronic warfare management</li><li>- Electrical power systems</li><li>- Target Pod (TGP)</li></ul>

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### 1.15. F100-PW-220 BORESCOPE INSPECTION

Type:	Theoretical
Course duration:	1,5 days
Maximum class size:	4 students
Objective:	At the end of the course, the students will be able to identify and apply borescope procedures of the F100-PW-220 engines.
Recommended for:	F100-PW-220 engine mechanics who will perform borescope inspections on the F100-PW-220.
Prerequisites:	The participants must have satisfactory completed the F-16 F100 Maintenance course and/or be experienced F-16 engine technicians.
Course content:	<ul style="list-style-type: none"><li>- F100 manuals</li><li>- Irregularities interpretation</li><li>- Borescope procedure</li></ul>

Type:	Practical on the job
Course duration:	3,5 days
Maximum class size:	4 students
Objective:	At the end of the course, the students will be able to perform borescope inspections on F100-PW-220 engines by following the borescope procedures.
Recommended for:	F100-PW-220 engine mechanics who will perform borescope inspections of the F100-PW-220.
Prerequisites:	The participants must have satisfactory completed the theoretical F-16 F100 borescope inspection course.
Course content:	<ul style="list-style-type: none"><li>- F100 manuals</li><li>- Irregularities interpretation</li><li>- Borescope procedure</li><li>- Borescope handling.</li></ul>



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### 1.16. F-16 BORESIGHT INSPECTION

Type:	Theoretical
Course duration:	1 day
Maximum class size:	4 students
Objective:	At the end of the course, the students will be able to identify and apply boresight procedures.
Recommended for:	F-16 avionics technicians who will perform F-16 boresight inspections.
Prerequisites:	The participants must have satisfactory completed the F-16 Avionics Maintenance course and/or must be experienced F-16 avionics technicians.
Course content:	<ul style="list-style-type: none"><li>- Use of F-16 boresight fixtures</li><li>- Measurement equipment for:<ul style="list-style-type: none"><li>- Head-up display / mount</li><li>- Radar antenna</li><li>- Inertial Navigation Unit mount</li><li>- Rate sensor Unit</li><li>- Angle of attack transmitter mount</li><li>- Gun</li><li>- Left and Right Hardpoints</li></ul></li></ul>

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Type:	Practical on the job
Course duration:	9 days
Maximum class size:	4 students
Objective:	At the end of the course, the students will be able to apply the boresight procedure.
Recommended for:	F-16 avionics technicians who will perform F-16 boresight inspections.
Prerequisites:	The participants must have satisfactory completed the theoretical F-16 boresight inspection course.
Course content:	<ul style="list-style-type: none"><li>- F-16 irregularities interpretation</li><li>- Use of F-16 boresight fixtures</li><li>- Measurement equipment for:<ul style="list-style-type: none"><li>- Head-up display / mount</li><li>- Radar antenna</li><li>- Inertial Navigation Unit mount</li><li>- Rate sensor Unit</li><li>- Angle of attack transmitter mount</li><li>- Gun</li><li>- Left and Right Hardpoints</li></ul></li></ul>