

# System Engineering & Defense Projects Management Overview

## TRAINING PROGRAM DESCRIPTION

Two and a half days of  
focused **International** and **Online** Training

by

Dr Ismail Cicek

**GDS Engineering R&D, Inc.**

Document Revision Date:  
13 January 2023

## Foreword

The instructors share their experience and knowledge gained by working long years in the field with System Engineering and Defense Project Management. The slides are supported by many graphics and test videos for the efficiency and clarity of the information and each session is planned. Sessions include presentations on requirements, guides, and lessons learned items. The training also includes test process and requirements overview in view of DOD Systems Engineering Processes. Dr. Ismail Cicek is the lead instructor of this training and several experienced test personnel and design engineers help complete the training sessions.

The following link describes Dr Cicek's experiences in the topic with more detail:

<https://www.globaldynamicssystems.com/dr-i-cicek/>

**Mitigate your risks before they occur.**

**GDS TRAINING PROGRAMS**

- MIL-STD-810
- RTCA-DO-160
- MIL-STD-461
- MIL-STD-704
- Systems Engineering (Product Life Cycle Management)
- Requirements Management (FAA, DOD, NASA)

**TRAINING**

**Training helps reduce your hazard risks!**

## Purpose of the Training

Understanding System Engineering, determining the purpose of systems in the process of designing systems suitable for the demands of the company, assigning system elements suitable for their purposes, analyzing how much time and cost the system requires, and how the administrative parts of defense projects will be carried out are discussed. Training is given by Dr. Ismail Çiçek and his team.

## Training Scope

The training sessions cover the following topics with annotated slides, test photos, videos, and additional reference material from standards, specifications, and documents:

- Systems engineering processes and methods in defense projects.
- DOD 5000 series systems engineering.
- Systems engineering management approach of NASA, IEEE and similar organizations.
- Supply management and system engineering methods and product definition.
- Technology readiness index (THS Index).
- Product cycle management, product development processes.
- Product development and validation processes with V Diagram.
- Project Management, Requirement, Quality, Configuration, Risk and similar process management topics.
- Product definition, requirements development and diagrams (user, context, activity and status diagrams and scenarios) in systems engineering.

Read more details about this training content and schedule at the [GDS Website:](http://www.GlobalDynamicSystems.com)  
<http://www.GlobalDynamicSystems.com>

## Instructors

Training is provided by Dr Ismail Cicek with over 20 years of experience in the environmental qualification testing of products in accordance with, such as, MIL-STD-810H and RTCA-DO-160G. An Avionics Chief Engineer, a Certified Verification Engineer (FAA/EASA) with over 18 years of experience presents the EMI/EMC sections. Training is also assisted by our personnel experienced in design and environmental testing of military and aerospace equipment.

## Training Schedule and Execution Type

- Online training using ZOOM.
  - Led by live two instructors experienced in the field by both testing and lecturing.
  - Two and a half days of focused online training schedule is typically as follows
    - 1st Day: 09:00 – 17:00 (Lunch Break between 12:30 and 13:30)
    - 2nd Day: 09:00 – 17:00 (Lunch Break between 12:30 and 13:30)
    - 3rd Day: 09:00 – 13:00
    - Time zone: Central European Time (CET)
  - Attendees will receive a Training Certificate.

Visit [GDS Website](#) to check the calendar of scheduled training classes and for registration information. Or, send an email to us with your registration request: [info@GlobalDynamicSystems.com](mailto:info@GlobalDynamicSystems.com).

Or call us to further discuss about your training needs. Ph: +1 (937) 912-1220 (USA) | Ph: +90 (537) 210-4068 (Turkey)

[Our training calendar](#) includes all open training classes, including RTCA-DO-160, MIL-STD-810, MIL-STD-461, MIL-STD-704F, System Engineering and Defense Project Management.

## Training Material

The instructors present the topics using the presentation slides sections and contents with the inclusion of information included from relevant regulations, standards, and specifications. The lecturers provide slides for sharing their own experience and knowledge gained by working long years in the field in accordance with System Engineering and Defense Project Management. The slides are supported by many graphics and videos for the efficiency and clarity of the information.

The slides and other sharable course material will be shared with the registered students before the class using GOOGLE DRIVE.



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Teknopark Istanbul

GDS Engineering R&D, Inc. is an official member of RTCA Organization.

## Our References

We have provided training courses to more than 100 companies and organizations and over 500 individual trainees so far.

