

Sample Template for Course Construction

Purpose with Course:

- To strengthen the ability of company personnel involved in modifications and development projects to critically review both TC-holder's and third-party DOA's interpretations of applicable regulations and certification specifications paragraphs. This makes it possible for the organization's engineer to:
 - Provide better feedback to the DOA on their work and thus promotes a constructive dialogue in the project.
 - Act as the company' "advocate" in the discussion with DOAs and defend an interpretation of regulations and certifications that best serves the airline's interests in any given situation.

Course Duration

- 1-5 days

When?

Dependable on the training specifics and company schedule.

Course Location

- At the organization's facilities, if Covid travel restrictions are eased (or)
- Online.

Attendees:

Standard SAS price points secure the participation of:

- Up to 6 attendees
- Up to 12 attendees

Suggested Regulations to Cover in Course (incl. AMC, GM etc):

- Part 21
- CS-25
- Part 26
- CS-26
- CS-ETSO
- EASA OPS
- Anything in addition as found necessary for below subjects.

Special focus on regulations/specifications applicable for below types of equipment:

- Basic introduction to applicable regulations and certification specifications.
- Passenger Seats:
 - HIC, 9 G static, 16 G dynamic requirements, airbag installations, incl. retrofit criteria.
 - Forward facing vs. rearward facing vs. angled seats.
 - Seat belts and shoulder harness
 - Head strike
 - Seat Deformation (CS 25.562)
 - Recline and rotations at exit rows
 - Exit access
 - Foot/leg rests
 - Oxygen mask requirements, life vests, other emergency equipment.
 - Basic Discussion/familiarization of the different reports generated by OEM that define seat installation limitations (DDP, IIL, ILR etc.)
- Passenger Emergency Exit Types and Requirements:
 - Aisle clearance
 - Cabin main aisles - cross aisles
 - Exit passageways
 - Exit signs
 - Crew assist space
- Cabin doors and curtain dividers.
- Emergency equipment:
 - Fire extinguishers, first aid kits, defibrillators, smoke hoods, ELT etc. - performance requirements (e.g. TSO), location, qty, access, placards
 - Ditching requirements - life vests, life rafts, survival kits
- Normal and emergency lighting, incl. emergency escape path markings (EPPM)
- Criteria for special cabin features such as bars etc. – brief walk through.
- Placards:
 - Visibility
 - Contrast
 - Size
 - Locations
- IFE
- WiFi
- Installation of medical equipment such as stretchers, (medical grade) oxygen bottles etc.

Other subjects that should be covered in course:

- Basic intro to the DOA-POA relationship and applicable regulations for this.
- TC vs. STC vs. Major Change vs. Minor Change – what are the differences and applicable regulations.
- ETSO – what is it, how is it used, relevant regulations etc.
- Certification Review Items (CRI)
- Flammability requirements for cabins.

- Type Certificate Data Sheets (TCDS)

Other subjects that could be covered in course:

- Bilateral agreements FAA-EASA, as applicable for the field of study.
- Different kinds of compliance statements and type of documents that has to be produced by the DOA/POA when delivering a service/product to a CAMO.
- (If not already sufficiently covered by previous items) - Repair or refurbish of cabin components (especially trim and finish updates such as changes of seat covers and laminates etc.).

Next Steps

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