

GETTING STARTED

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**How Do I Use
This Participant
Guide?**

This Participant Guide is divided into three main sections: Introductory Materials, Course Materials, and Appendix. The **Introductory Materials** provide you with an overview of the course, a list of the course contributors, and information on what you will learn during the course and how it will help you on the job. The **Course Materials** are the slides and other support materials used during the course. The **Appendix** provides reference materials and an end-of-course evaluation form.

Follow these steps to complete your course, whether classroom, IVT, or video self-study format.

1. **Before the course**, review *Introductory Materials* for an overview of the purpose and structure of the course.
2. **Before the course**, review the Appendix materials (especially the CPR Order and AC) to get an overview of the changed product rule and how it will be implemented.. These materials will be used during the course, also, and can serve as references back on the job.
3. **During the course**, turn to *Course Materials* and follow along with the slides, overheads, and existing notes. Take additional notes as needed.
4. **After the course**, complete the end-of-course evaluation contained in Appendix I.
 - a. For the **classroom** course, complete the form and return it to your instructors.
 - b. For the **live broadcast**, enter your responses on the ATN keypads when prompted.
 - c. For the **video self-study option**, complete the form and return it to your AIR Training Manager (ATM) in order to receive credit in your training history.

CPR Implementation Course
Introductory Materials

Course Orientation

About This Course The *Changed Product Rule (CPR) Implementation Course* presents information on how to implement the regulation. It explains when and how the regulation is applied. During this course, we will provide you with the basic concepts of the changed product rule and examples (from parts 23, 25, 27, 29, and 33) for implementing it. The instructors include a mixture of FAA Aircraft Certification Office Engineers, Standards Staff, and FAA Academy instructors, along with representatives from industry and foreign Authorities.

Who Is the Target Audience? The **IVT target audience** for this course is Aircraft Certification engineers and managers representing 14 CFR parts 23, 25, 27, 29, 31, 33, and 35.

The **classroom training** targets key FAA program and project managers and key industry representatives.

Who are the Contributors to the Course Development? **FAA**
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What Will You Learn?

After completing this course, you will be able to:

- Describe why the rules have changed.
- Describe the general principles contained in CPR.
- Describe the generic process for establishing the certification basis of a changed product.
- Describe and apply the exceptions of:
 - *Not significant.*
 - *Not affected area.*
 - *Does not contribute materially to the level of safety.*
 - *Impractical.*
- Describe how and when to document and justify all decisions in the certification process for a changed product.

How Will This Course Help You On the Job?

This course will enable you to:

- Communicate to an applicant the shift in responsibilities and expectations established by this rule change.
- Evaluate an application for a changed product to determine if certifying the change requires a substantially complete investigation of compliance and, therefore, a new type certificate.
- Use the CPR process, Appendix 1 of the AC, and the CPR Order to establish the certification basis of a changed product.
- Appropriately apply the exceptions defined in 14 CFR 21.101(b).
- Appropriately establish the certification basis when changes are made to aircraft other than a rotorcraft weighing 6,000 lbs or less, and to non-turbine rotorcraft weighing 3,000 lbs or less.

- Appropriately establish the certification basis when changes are made to special class, primary category, restricted category, or surplus military aircraft.
- Appropriately document all decisions and justifications for the certification basis of a changed product.

CPR Implementation Course
Course Materials

CHANGED PRODUCT RULE

Version 1.0

Spring, 2003

Instructor Note: For the IVT, the orientation of participants to the equipment and introduction of the instructors (both done by the Studio staff) has occurred by this point.

To meet the Americans with Disabilities law, **each time the speaker changes, it is very important for the new speaker to identify him or herself.**

I. INTRODUCTION

A. Opening Remarks

- The new rule and AC have been harmonized with the JAA and Transport Canada, while working closely with Industry.
- The purpose of this course is to present how the new CPR policy is going to be implemented.
- Ground rule for the course: This is NOT a forum for debate on points of the rule; the rule is final.

Overview of Course



- Review new rule and reasons for change
- Outline process to establish certification basis for a changed product
- Present in-depth discussion of the new concepts introduced by CPR
- Use a case study to illustrate CPR

B. Course Objectives

Learning Objectives



➤ Describe:

- Why the rules have changed
- General principles contained in CPR
- Generic process for establishing certification basis of a changed product

CPR, 1.0

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Learning Objectives, cont.



➤ Describe and apply the exceptions of :

- *Not significant*
- *Not affected area*
- *Does not contribute materially to the level of safety*
- *Impractical*

CPR, 1.0

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Learning Objectives, cont.



- Describe how and when to:
 - Document and justify all decisions in the process of establishing the certification basis for a changed product

CPR, 1.0

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C. How is this Course Organized?

Course Outline



- Review of new rule and applicant and FAA roles and responsibilities
- Introduction to Changed Product Rule process
- Discussion of key concepts:
 - Not significant
 - Not affected area
 - Not contribute materially to the level of safety
 - Impractical
- Summary, questions, post assessment

CPR, 1.0

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- The first two sections, *Review of Rule*, and *Introduction to the CPR Process* are OVERVIEWS; details will NOT be provided at this time; they will come later in the course.