Training Needs Analysis: Cabin Crew Fire Training III

**Cynthia L. Corbett, M.A.** Principal Investigator

Cabin Safety Research FAA Civil Aerospace Medical Institute



Federal Aviation Administration

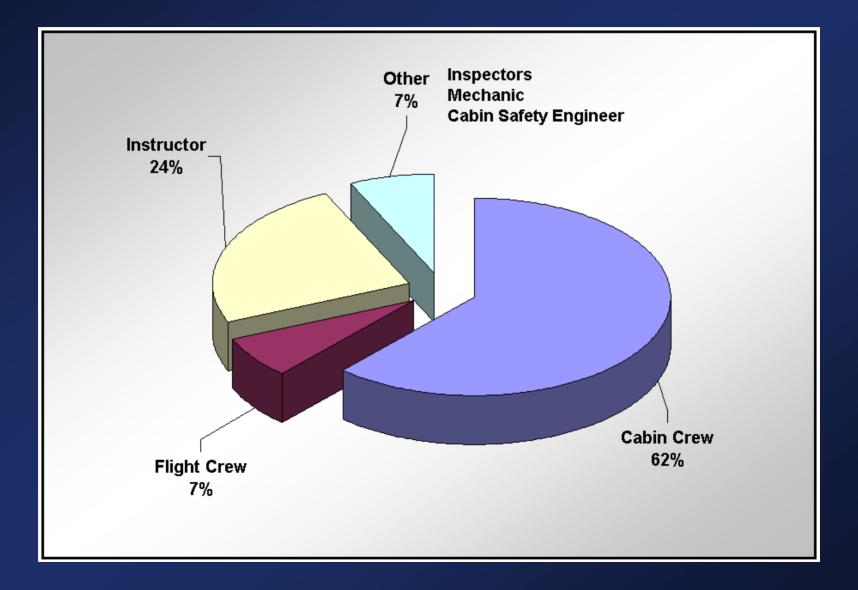
# Cabin Crew Fire Training Questionnaire

- RGW Cherry & Associates Limited 2008
  - Adequacy, Content, Realism of training programs
- Participants
  - > 2010 Cabin Safety Workshop Attendees
  - > 2010 Fatigue Countermeasures Course Attendees
- → Rating Scale
  - Strongly Disagree = -2
  - Disagree = -1
  - Neutral = 0
  - Agree = 1
  - Strongly Agree = 2
- Respondents without in-flight fire experience will exhibit a more positive attitude towards the training they received than respondents with in-flight fire experience.

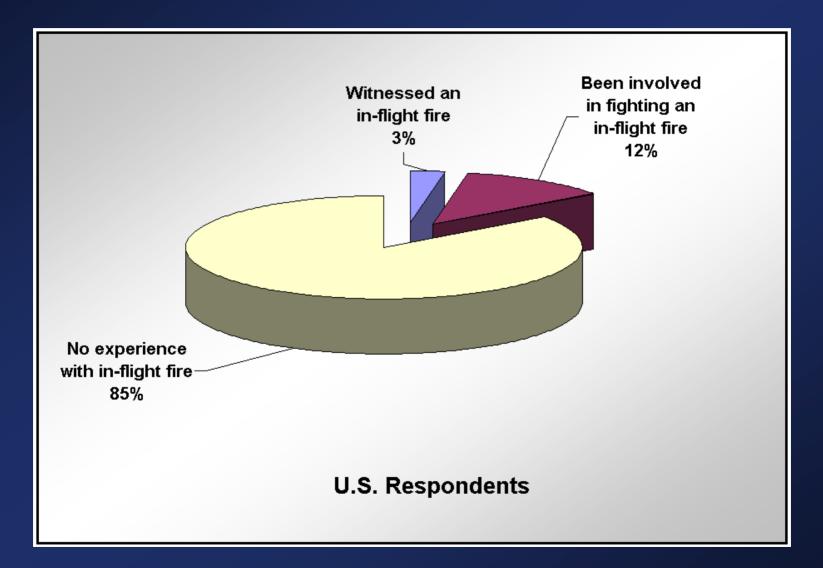




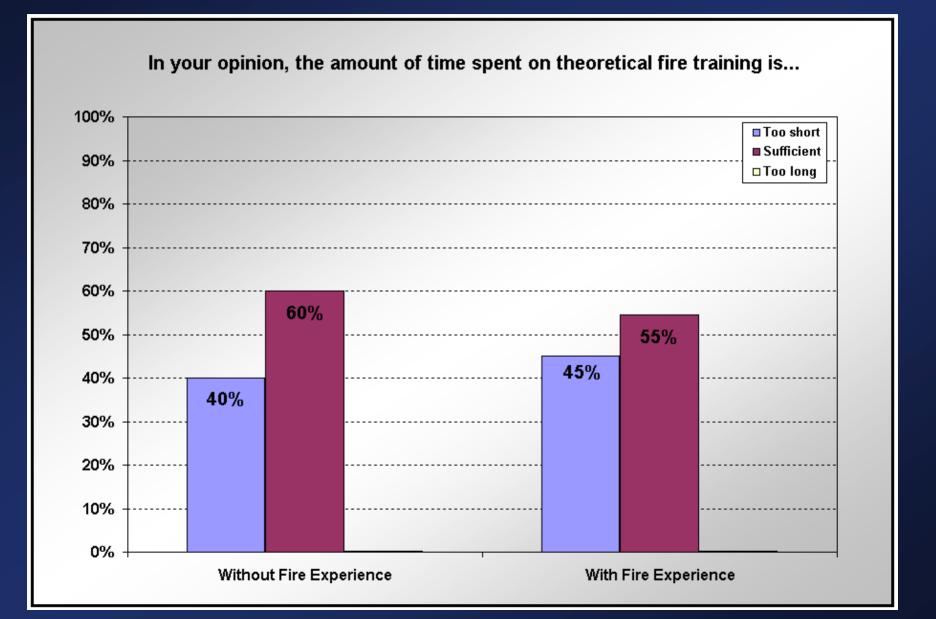
# Participants' Occupation



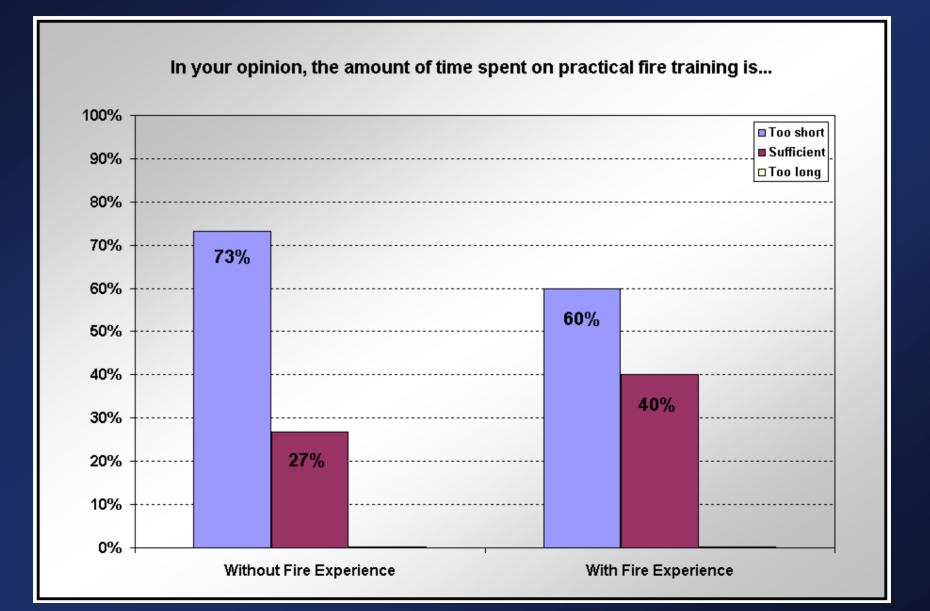
### **Participants' Experience With In-Flight Fire**

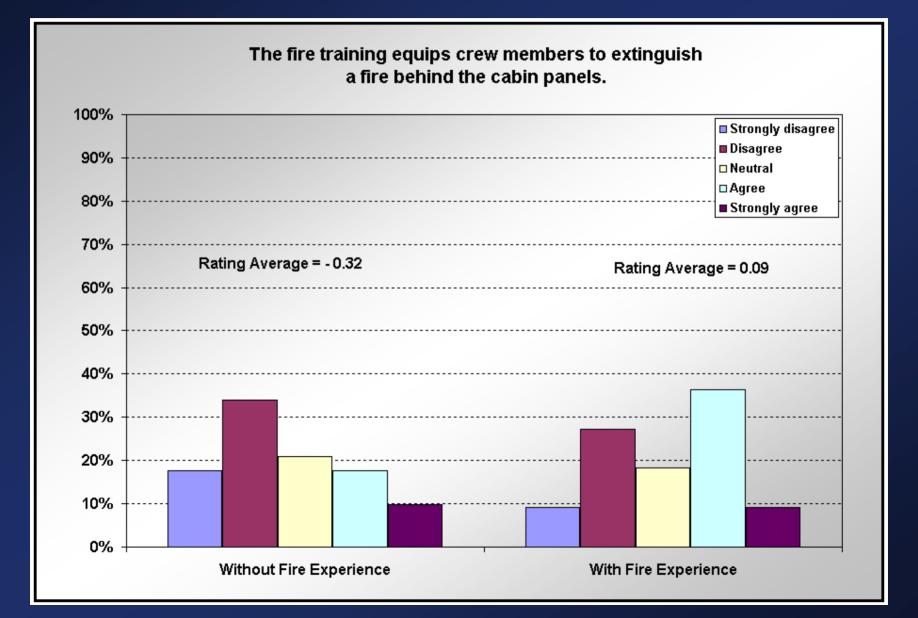


#### **Duration of Fire Training**

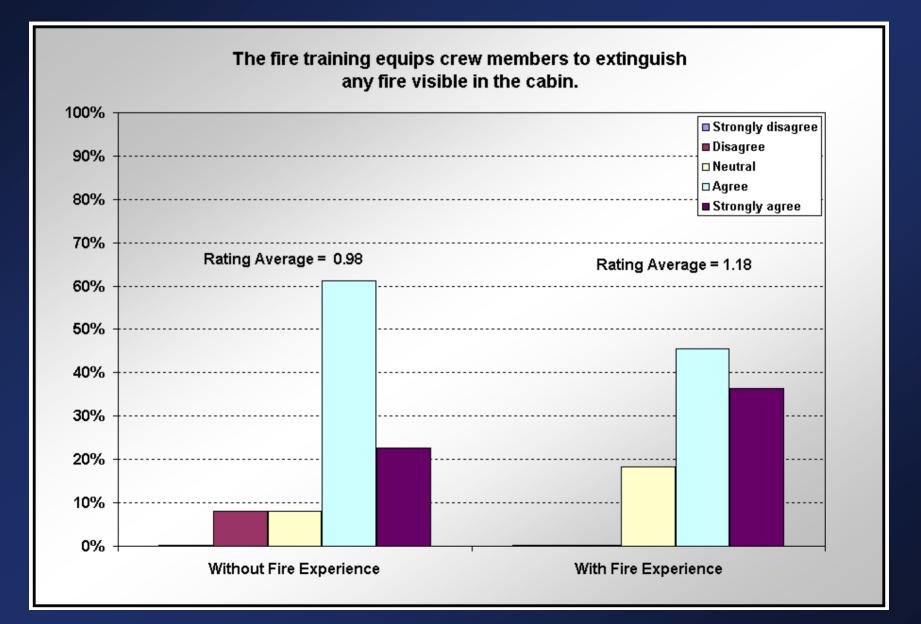


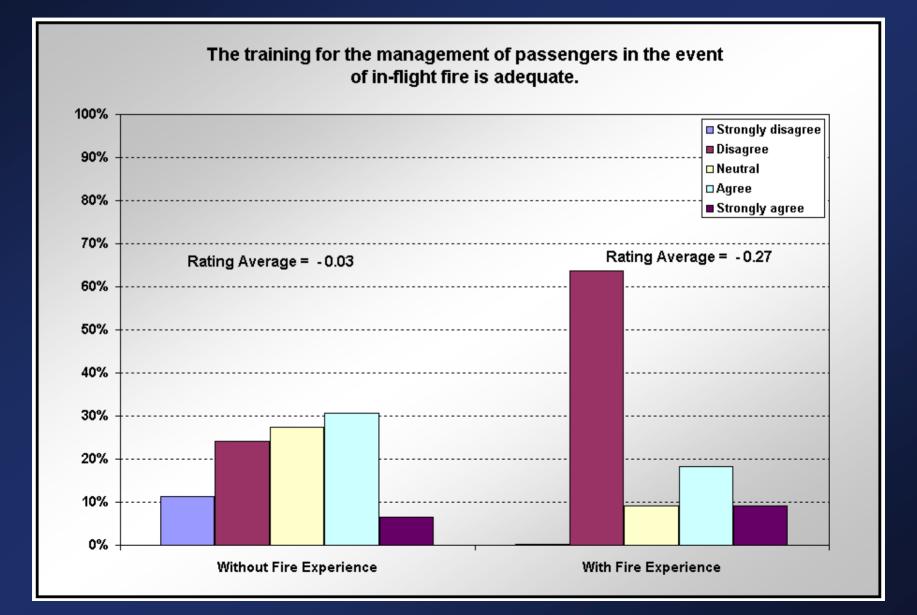
#### **Duration of Fire Training**

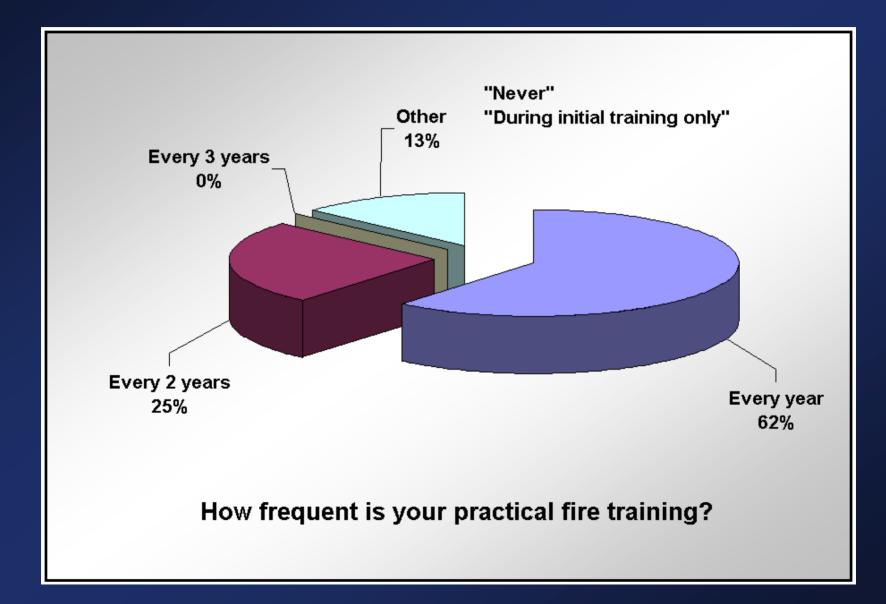




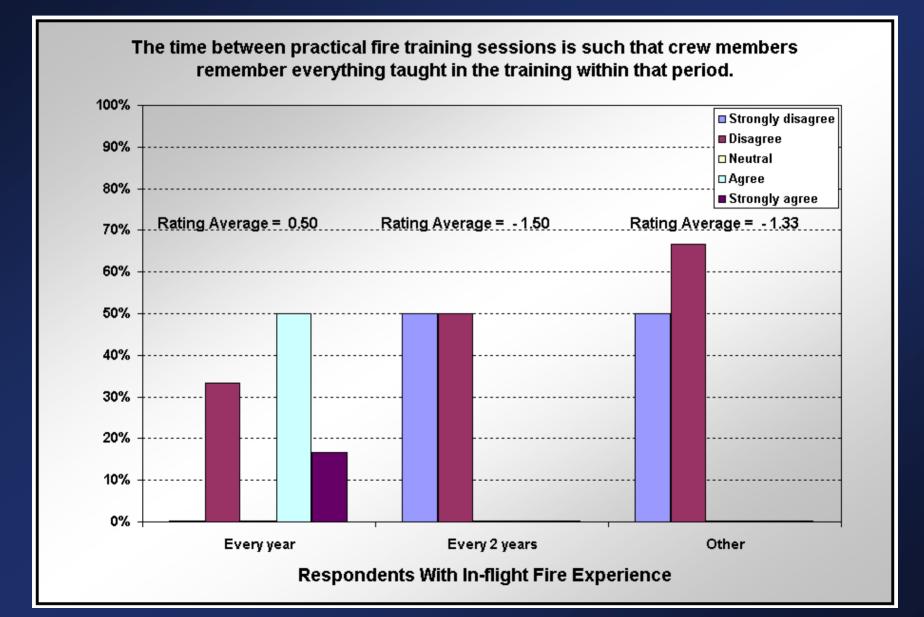


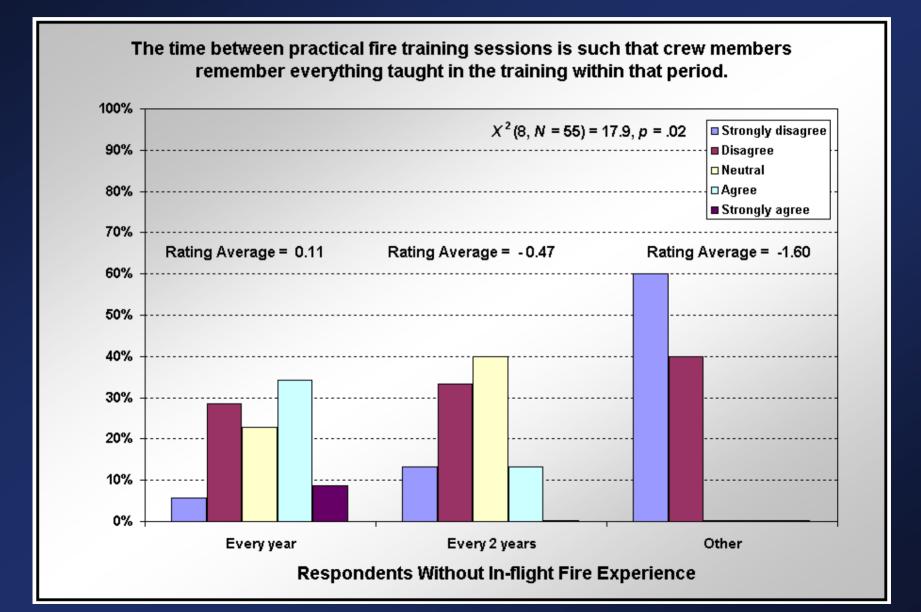






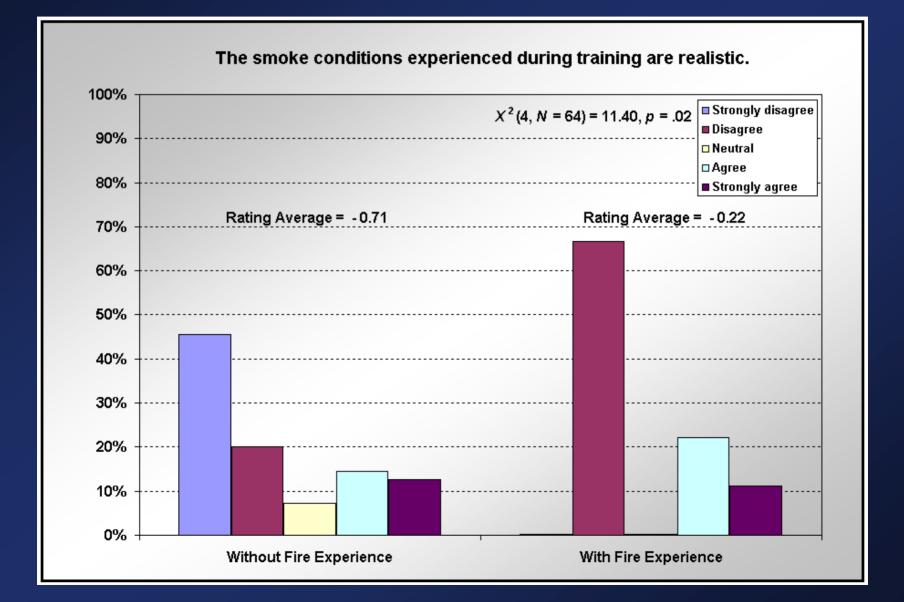
Adequacy of Fire Training

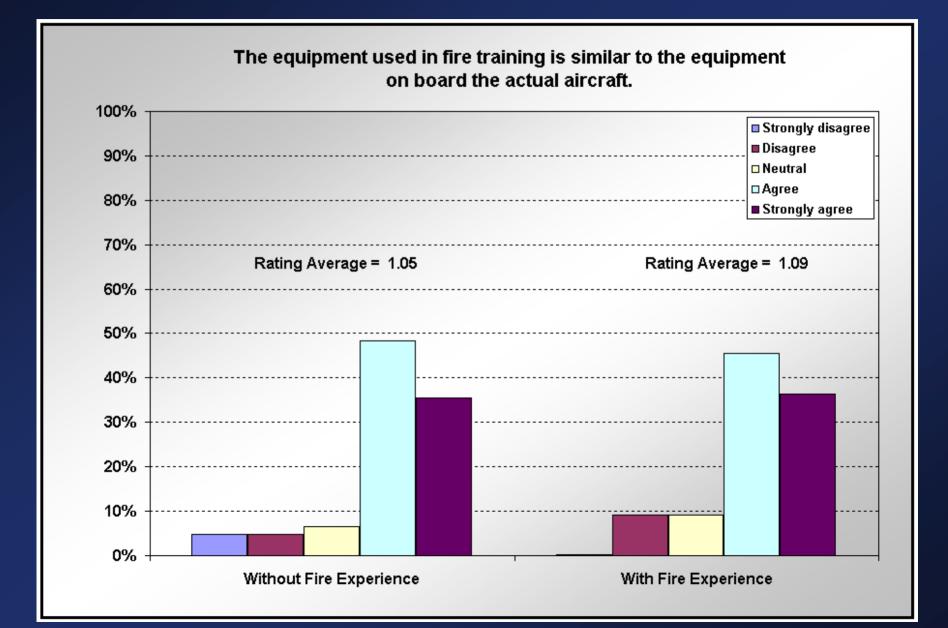


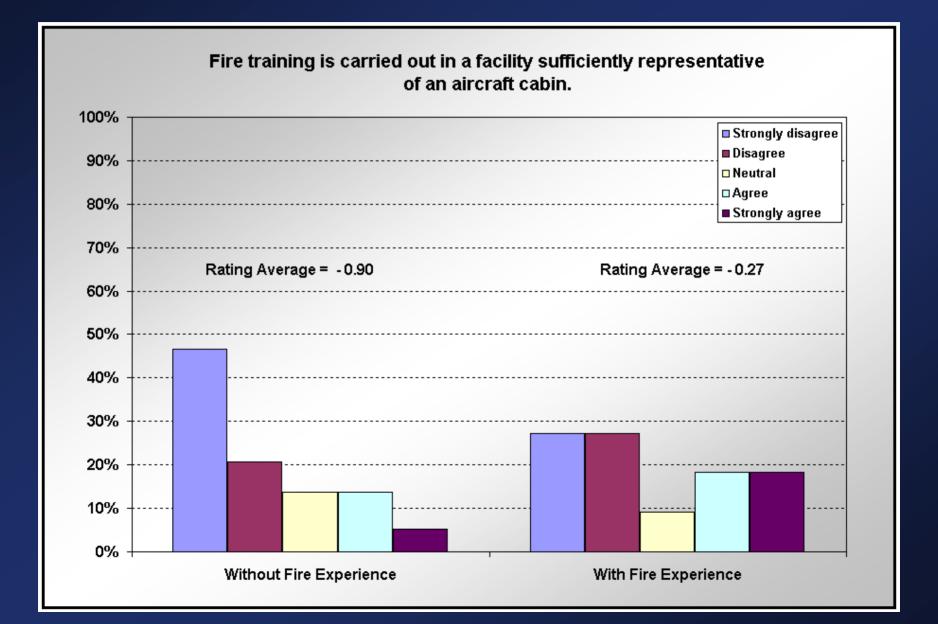


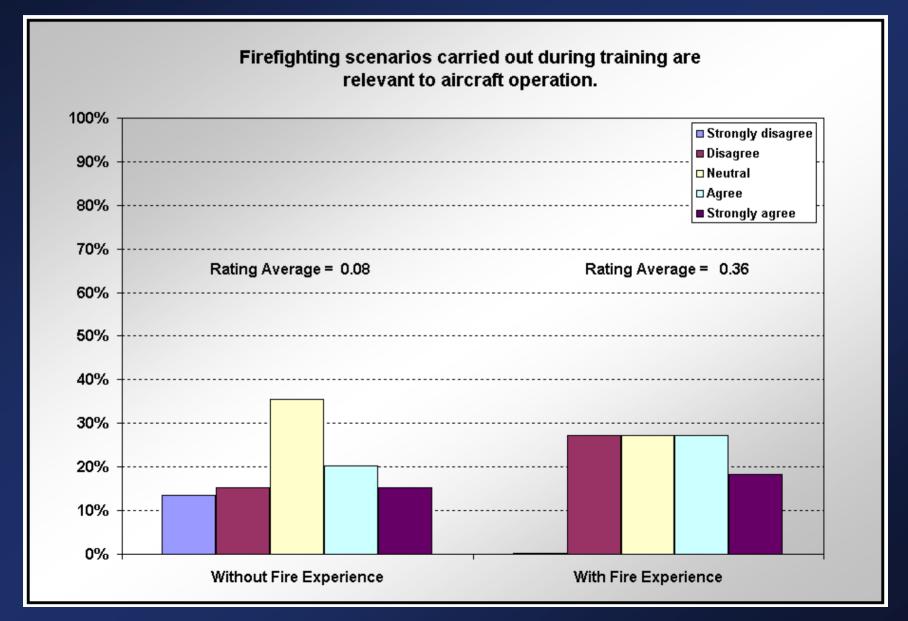
Adequacy of Fire Training	Rating Without Fire Experience	Rating With Fire Experience
The fire training equips crew members to extinguish a fire behind the cabin panels.	- 0.32	0.09
The fire training equips crew members to extinguish any fire visible in the cabin.	0.98	1.18
The training for the management of passengers in the event of in-flight fire is adequate.	- 0.03	- 0.27
The time between practical fire training sessions is such that crew members remember everything taught in the training within that period.	- 0.18	- 0.36
The fire training equips crew members to deal with multiple fires occurring at the same time.	-1.18	-1.09





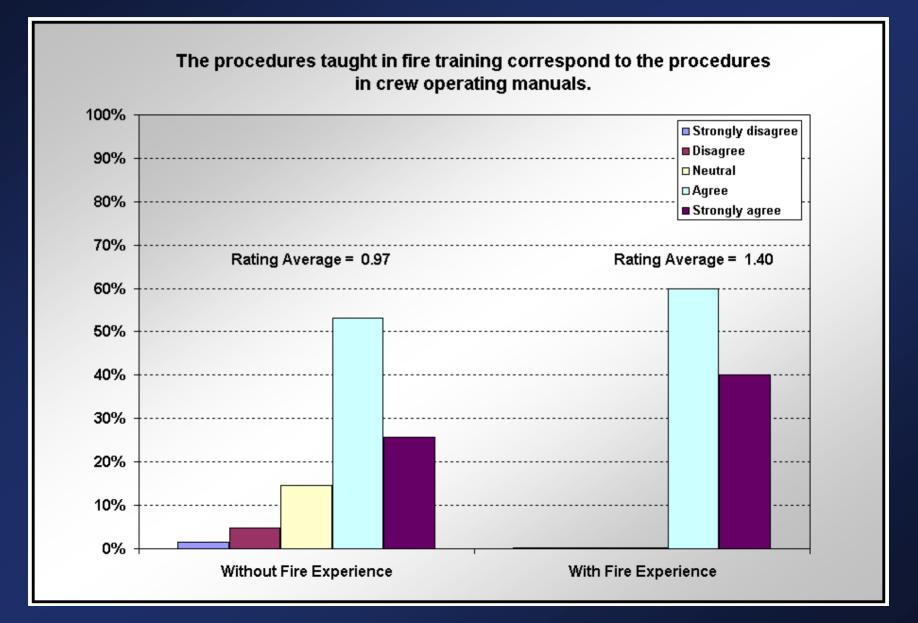




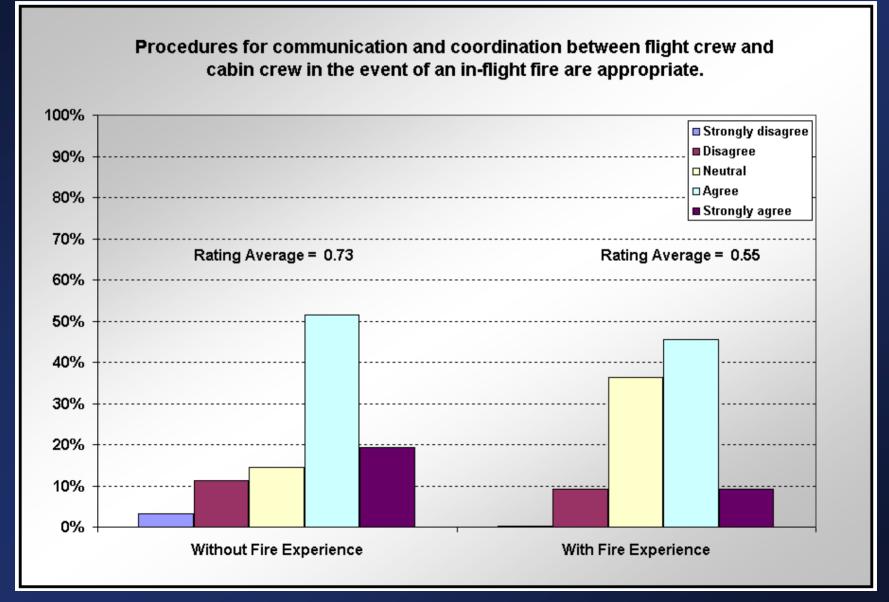


Realism of Fire Training	Rating Without Fire Experience	Rating With Fire Experience
The fire conditions experienced during training are realistic.	- 0.80	- 0.36
The equipment used in fire training is similar to the equipment on board the actual aircraft.	1.05	1.09
Firefighting scenarios carried out during training are relevant to aircraft operation.	0.08	0.36
The smoke conditions experienced during training are realistic.	- 0.71	- 0.22
Fire training is carried out in a facility sufficiently representative of an aircraft cabin.	- 0.90	- 0.27

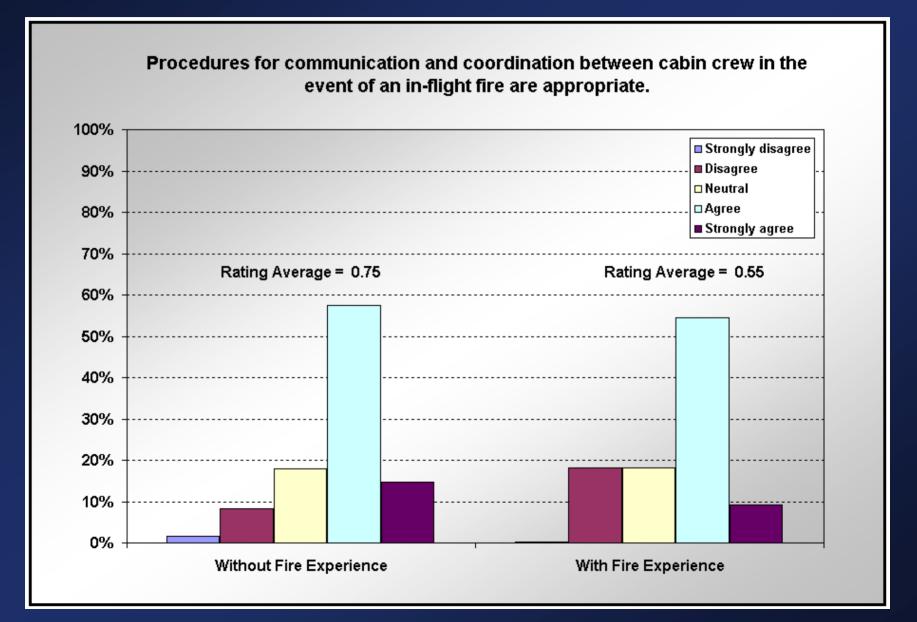
## **Procedural Content of Fire Training**



# **Procedural Content of Fire Training**



# **Procedural Content of Fire Training**



Procedural Content of Fire Training	Rating Without Fire Experience	Rating With Fire Experience
The procedures taught in fire training correspond to procedures in crew operating manuals.	0.97	1.40
Procedures for communication and coordination between flight crew and cabin crew in the event of an in-flight fire are appropriate.	0.73	0.55
Procedures for communication and coordination between cabin crew in the event of an in-flight fire are appropriate.	0.75	0.55

#### **Problems Encountered during In-flight Firefighting**

