

ARRL EMCOMM COURSES

Basic Emcomm

Module 1

The History of ARES

The ARES Mission

ARES Organizational Structure

Introduction to Amateur Radio

Introduction to the ARES Position

Module 2

Basics of Emergency Communications

Basic Emcomm Operations and Tools

Basic Communications Skills

Basic Emcomm equipment

Module 3

FEMA Prerequisites

Baic of ARES Activities

(Basic EmComm Final Assessment, leading to the Certificate)

INTERMEDIATE EMCOMM COURSE

Module 1 -- Structures

Amateurs as Professionals

ICS Structure and ARES

Partner Agency Communications Systems

ARES Members and their Community

Module 2 (The Individual Deployment Volunteer)

Health and Safety

Preparing for Deployment

Emergency Activation

What to Expect in Large-Scale Disasters

Setting Up, Initial Operations, and Shutdown

Operations & Logistics

Equipment Choices for Emeergency Communications

Module 3 (NETS)

Network Theory and the Design of Emergency Communications Systems

Net Operations

Introduction to Emergency Nets

Net Operating Guidelines

The Net Control Station

Net Control Station (NCS) Operator Practices
The Net Manager
Specialized Nets & Their Operation
Severe Weather Nets / SKYWARN

Module 4 - Structured Communications
Message Handling Part I
Message Handling Part II
Digital Options in Message Handling
Introduction to the National Traffic System
Digital Communications

Module 5 Staying Legal
FCC Rules on Emergency Communications
FCC Rulings for Emergency Communications

Module 6 Larger Systems
Alternative Communications Methods
Propagation Space Weather, Solar
Marine Communications
Other Training Opportunities

ADVANCED EMCOMM

(At the time of this writing, this course is not yet available)