

# 091 VFR Communications

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## 091-01 Definitions

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### 091-01-01 Meanings and Significance of Associated Terms

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Aeronautical Mobile Service: all, Aeronautical Station: ground, aircraft station: air

### 091-01-02 Air Traffic Services Abbreviations

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HJ.. sunrise to sunset, HX.. no specific hours

### 091-01-03 Q-Code Groups Commonly Used in RTF Air-Ground Communications

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### 091-01-04 Categories of Messages

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distress	mayday
urgency	pan pan or pan, pan medical
direction finding	
flight safety	clearances, atc control messages
meteorological	
flight regularity	"caution, work in progress", maintenance, servicing, etc.

### 091-02-05 Standard Words and Phrases (Relevant RTF Phraseology included)

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long final .. 4-8nm, final .. 4nm

„cancelling svfr“

### 091-02-09 Test Procedures Including Readability Scale

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5	perfectly readable
4	readable
3	readable with difficulty
2	readable now and then
1	unreadable

test call: 10sec!

### 091-02-11 Radar Procedural Phraseology

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„advise transponder capabilities“

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## 091-03 Relevant Weather Information Terms (VFR)

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metar change: windchange >60°, tempchange >2°

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## 091-05 Distress and Urgency Procedures

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„cancel distress“

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## 091-06 General Principles of VHF Propagation and Allocation of Frequencies

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$$range_{nm} = 1.23 \times \sqrt{height_{ft}}$$
$$range_{nm} = 1.23 \times (\sqrt{height_{aircraft}} + \sqrt{height_{groundstation}})$$

VHF: 30-300 MHz