



אגודת חובבי הרדיו בישראל
ISRAEL AMATEUR RADIO CLUB

“Contest as a drill”

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June 2019



Target

Everyone on the same page.
Getting IARC EmComm group on its feet.

Again



Scenarios

Class->	S1	S2	S3
DMR repeaters (Emergency/Overseas)	✓	? ≈	✗
Analog repeaters	✓	? ≈	✗
VHF/UHF - Simplex	✓	✓	✓
HF - SSB	✓	✓	✓
Power	✓	? ≈	? ≈



Scenario 3



Scenarios/response/situations/emergencies

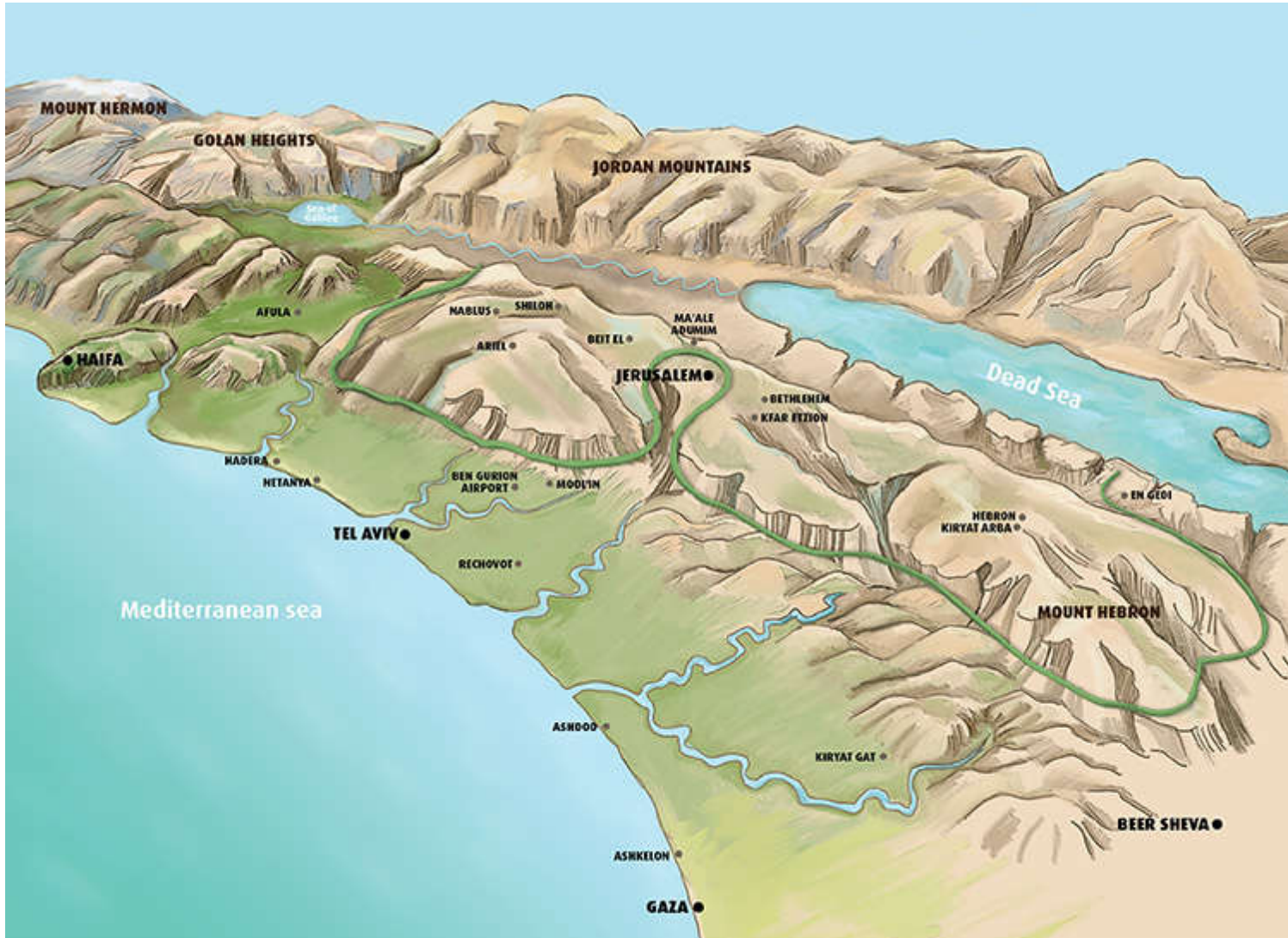
All scenarios go into 1 or more of 3 modes:

- The need to backup/extend the communication system
- Communication networks fall
- A prolonged fall of electricity



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The network



June 2019

“Contest as a drill” When All Else Fails... Amateur Radio Works



Nearby



"Contest as a Drill" When All Else Fails... Amateur



The network in S2-S3 emergency - continuity

- 3-4 independent mobile stations containing:
 - Simplex
 - Repeaters
 - HF - local NVIS, DX
 - Digital ~~UHF-DMR~~, HF-WinLink
 - HFLINK-ALE
 - Computers
 - Power
- Volunteer operators at home / field
- Central operating station - bunkered



Keep'em fit - Exercise

- Independent local exercises
- Joint exercises - in Israel
- Joint exercises - with Europe
- Outdoor operating - WCA/Lighthouses/Christmas
- Field days
- Contests



Contest as drill

- Getting IARC members involved in EmComm operating.
- Dusting equipment and operating.
- Smartly taking them to the field.
- Getting info on strategic sites.

A contest is a huge motivator



Contest - basics

- 2x2 hours mid-day during national vacation
 - 2 hours VHF/UHF (simplex!)
 - 2 hours HF (80/60/40m)
- Basic score is distance (GS to GS)
- QTC points to relay 2 stations (simple)

Thank you.

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