



DUTY  
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MINNESOTA  
NATIONAL GUARD  
ESTABLISHED 1856

RESPECT  
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## AN/TPQ-36 FIREFINDER RADAR

### **Mission**

To detect missiles or weapon projectiles, adjust friendly fire, and direct counter-battery fire

### **Entered Army Service**

Developed 1970s, fielded 1980s

### **Description and Specifications**

The AN/TPQ-36 Firefinder Radar is a lightweight, small, highly mobile radar set capable of detecting weapon projectiles launched at any angle within selected 90-degree azimuth sectors over 360 degrees of coverage. The Firefinder Radar can locate simultaneous and volley-fire weapons. It can also be used to register and adjust friendly fire. Upon projectile detection, the weapon location is computed and is used to direct counter-battery fires.



	<b>Shelter</b>	<b>Antenna/Transceiver</b>
<b>Length:</b>	106 in	181.1 in
<b>Width:</b>	82.7 in	82.7 in
<b>Height (in operation):</b>	70.9 in	145.7 in
<b>(in transit):</b>		82.7 in
<b>Weight:</b>	2,400 lbs	3,200 lbs
<b>Power Requirements:</b>	115/120 VAC, three-phase, four-wire, 400 Hz, 10kw	
<b>Support equipment:</b>	two M923 five-ton trucks, two 10kw generators	
<b>Units:</b>	Headquarters batteries in artillery regiments, counter-battery radar platoons	
<b>Crew:</b>	9	

[Information courtesy GlobalSecurity.org](http://GlobalSecurity.org)

The AN/TPQ-36 Firefinder Radar is named according to the Joint Electronics Type Designation System (JETDS), a nomenclature system of the Department of Defense.

The next generation of Firefinder Radars will be the AN/TPQ-37 and AN/TPQ-47, utilizing more advanced technology that will provide rapid and increased target location, improved accuracy, and target classification at greater ranges.

### **Manufacturer**

ThalesRaytheon, Northrop Grumman

FOR MORE INFORMATION, CONTACT: Minnesota National Guard Public Affairs at [public.affairs@mn.ngb.army.mil](mailto:public.affairs@mn.ngb.army.mil) or go to [www.MinnesotaNationalGuard.org/press\\_room/fact\\_sheets/military\\_equipment.php](http://www.MinnesotaNationalGuard.org/press_room/fact_sheets/military_equipment.php) for a list of equipment used by the Minnesota National Guard.