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## IFC Area Equipment

The following is a Suite of photographs that illustrates the primary equipment used in the Integrated Fire Control Area of a Nike Guided Missile Site. Integrated Fire Control basically means the coordination of acquiring an aerial target by using a target tracking radar that sends position information to the computer.

The computer then in turn sends coordinated commands to a guided missile by way of the missile tracking radar sending it to a predicted point of intercept (PPI) of target and missile, thus destroying the target.

The equipment in this Suite was part of the German Military and is now located at the German Air Force Museum in Berlin. We appreciate the contribution of these photos..

Vielen Dank Peter



Photographs submitted by Peter Hoss  
Lt. Colonel - German Bundeswehr, Retired  
Kassel, Deutschland



### Integrated Fire Control Equipment

Two IFC Radar Units. In the foreground is either a Missile Tracking (MTR) or a Target Tracking Radar (TTR). They both look the same. The Radar unit that is back right is the Acquisition Radar unit. Behind the Acquisition Radar are two mobile trailers that could be a parts trailer, or units that housed the computers and the radar scopes used to track the missiles and targets. In front of the missile is a diesel electrical generator that has a skid base to make it easier to position. The missile to the right has a different fin configuration, however this is equipment used by the German Army, so maybe it is a modified Ajax. The IFC equipment was much more mobile than the Launching Area was.



### Missile Or Target Tracking Radar & Trailer

This is an excellent view of the Radar device and its carrier. It's a nicely designed trailer. Heavy duty, compact, and rugged. The outriggers are definitely heavy duty, designed to anchor the trailer with the earth. This is also an excellent view of the tow bar, beginning with the steel eye, which fits into the tow hook at the rear of the tow vehicle. The hoses draping the tarmac are the air brake lines. The radar unit looks like it is a double action device. A swiveling cradle, as well as a 180° rotation, 90° to the left and 90° to the right. This is actually this is the first time I've seen radar uncovered. All I ever saw was the two globes on either side of the Acquisition Radar. See the IFC Area of the website.



### Missile Or Target TrackRadar & Trailer Rear View

The normal configuration of the trailers were to back up to each other in such a way that, when the doors opened and the grated platforms in place, travel between them was easy and quick. The myriad of cables for operation, both data and power, is obvious. However, color coding helps and facilitates proper connection avoiding mistakes.



IFC Mobile Operations Trailer

*W*atch your step Fitzpatrick...!



### IFC Mobile Operations Trailers

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An Electronic Shop 2 Trailer



### IFC Mobile Operations Trailers

The entrance to the trailers were in the rear, and they were towed from the front by a tow bar that when parked, would be swung around and placed underneath out of the way. Within the inner wheel perimeter were four stabilizing jacks that were manually operated and independent so that, even on uneven terrain, they could be made safe and balanced.



IFC Mobile Operations Trailers - Rear View



IFC Mobile Operations Trailers