Mobile
TacSIM
Tactical Communications Simulator

RSI
REDONDO SYSTEMS INC

Mobile TacSIM is a man portable version of RSI's Tactical Communications Simulator (TacSIM). Mobile TacSIM is an off-the-shelf PC based tactical communications simulation system supporting the systems integration, test and training missions for U.S. and allied armed forces, and major defense suppliers around the world. Mobile TacSIM has been validated by the U.S. Army for use in interoperability testing on Link 16 (TADIL J), Link 11 (TADIL A) and Link 11B (TADIL B). Mobile TacSIM is highly configurable by utilizing RSI's Simulation Core user interface package and then layering multiple tactical data link, simulation data link and/or radar interfaces from RSI's Interface Package Library (IPL). New customer application-specific requirements are easily accommodated.

Redondo Systems Incorporated (RSI) has been a leading provider of products and services in the areas of tactical data link and radar interface processing for over 20 years. RSI's product lines include fielded tactical data link and radar communications systems, radar and data link simulation systems, as well as stand-alone software packages and custom hardware solutions. RSI's major customers include:

- ♦ U.S. Army
- ♦ U.S. Air Force
- ♦ U.S. Navy
- ♦ U.S. Marine Corps
- ♦ Raytheon
- ♦ Northrop Grumman
- ♦ Lockheed Martin
- ♦ Rockwell Collins
- ♦ Thomson CSF
- ♦ EADS
- ♦ BAE
- ♦ SAIC

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Mobile TacSIM Interface Capabilities Include:

◈ Data Links

♦ **Link 16**	♦ **NATO Link 1**
`````A=@GH8 !* $%8`	STANAG 5501 Ed 4
````````MIL-STD-60167 `W %	♦ **ATDL-1**
MIL-STD-60166	MIL-STD-6013A
JTIDS TIDP	♦ **FAAD Data Link**
Smart Host and terminal/network emulations:	♦ **NATO Link 14**
Class 2H (1553B)	♦ **USMTF 2000**
Class 2M (ADDSI)	♦ **TIBS**
.......MIDS fA=@GH8 `' $%/7 ž	♦ **VMF**
@J H'fï>ž ž b ž G5 H`>Ł	♦ **IDL**
♦ **Link 11, Link 11B**	♦ **UDL**
MIL-STD-60118	♦ **MBDL**
MIL-STD-60117	♦ **Lateral Tell**
STANAG 5511 Ed5	♦ **Forward Tell**
TDS and DTS/ network emulations:	
NTDS (Parallel)	♦ **TESS**
ATDS (Serial)	♦ **ICAO**
MIL-STD-188-203	
MIL-STD-188-212	

◈ Simulation Data Links

♦ DIS (IEEE 1278.1)	♦ TCL

◈ Data Forwarding

♦ **Link 16** ◄► **Link 11/11B**	
♦ 8═G ◄► **Link 11/11B**,`@b_`% žFDL, ATDL-1	

◈ Radars

♦ **PATRIOT**	♦ **AN/MPQ-55(CWAR)**
♦ **FAAD/GBS**	♦ **AN/MPQ-57**
♦ **CD2**	♦ **AN/TPS-32**
♦ **ATSERIX**	♦ **AN/TPS-43E (DAR)**
♦ **AN/APG-71**	♦ **AN/TPS-70**
♦ **AS/APS-138**	♦ **AN/TPS-75**
♦ **AN/APY-2**	♦ **AN/TPX-46**
♦ **AN/APX-76**	♦ **AN/UPX-23**
♦ **AN/APX-100**	♦ **AN/UPX-27**
♦ **AN/APX-103**	♦ **SPS-96/125**
♦ **AN/ARN-118**	♦ **SPS-48C**
♦ **AN/ARN-118A**	♦ **IHAWK Phase III**
♦ **AN/ASN-130**	AN/MPQ-50 (PAR)
♦ **AN/FPS-117 (LRR)**	AN/MPQ-61 (HIPIR)
♦ **AN/MPQ-51 (ROR)**	AN/MPQ-62 (CWAR)
	M192 Launcher

◈ Interface Protocols & Standards

♦ **RS-232**	♦ **V.35**
♦ **RS-422**	♦ **V.36**
♦ **RS-449**	♦ **X.25**
♦ **RS-485**	♦ **HDLC**
♦ **EIA-530**	♦ **ADDSI**
♦ **EIA-530A**	♦ **TCP/IP, UDP,**
♦ **SCRAMNET**	**MULTICAST**