

# JCMT=> Sim INTERFACE

AN AUTOMATED INTERFACE LINKING COLLECTION MANAGEMENT PROCESS TO INTELLIGENCE SYSTEM SIMULATIONS

## DESCRIPTION

**JCMT** – Joint Collection Management Tools, an operational collection management system being deployed at Division and above

**Sim** -- A simulation of intelligence sensors; initially the interface will address TACSIM

**JCMT=>Sim Interface** -- A software tool that translates collection requests into actual tasking commands for the simulated intelligence sensors

## USER BENEFITS

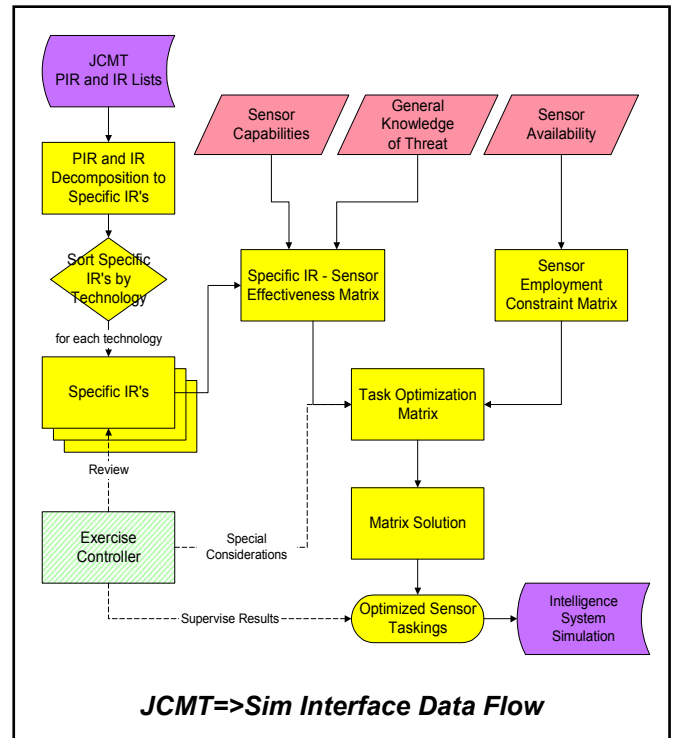
- Approach “train as we fight” realism
- Provides repeatable results
- Saves exercise controller manpower
- Provides software and process reuse for future simulations

## CAPABILITIES

- Automation assisted translation of PIR (Priority Intelligence Requests) into Specific IRs (Information Requests)
- Estimation of intelligence sensor efficiency for specific IR fulfillment
- Optimization of sensor taskings to fill specific IRs
- User interface for supervision of PIRs, IRs, specific IRs and sensor taskings

## APPLICATIONS

- Initial application is a JCMT-to-TACSIM Interface to support Army battlecommand training.
- Proposed application as a JCMT-to-DIS/HLA-Simulation Interface for JPSSD-TPSO-ACTD.
- Potential application to WARSIM Intelligence Module



## ACKNOWLEDGMENTS

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- TACSIM/WIM Project Office, Mr. Matt Maier, (407) 306-9226

**Tasking Optimization Spreadsheet from JCMT=>Sim Interface**

Collection Effectiveness Matrix	Collection Tasks					Sensor Assign Matrix	Collection Tasks					Max Allowed Assign	Tot Assign
	P1	P2	Q1	Q2	R1		P1	P2	Q1	Q2	R1		
Sensors						Sensors							
AA	1	10	5	5	2	AA	0	1	0	0	0	1	1
BB	2	2	5	5	2	BB	0	0	0	1	0	1	1
CC	3	5	5	10	10	CC	0	0	0	1	0	1	1
DD	10	5	10	10	10	DD	1	1	1	1	1	5	5
Minimum Effectiveness Requirements	10	10	10	20	10								8
Effectiveness	10	15	10	25	10								

Matrix values are estimates of the sensor's capability to address a specific collection task

Minimum requirements for each collection task

Projected effectiveness as determined by program

Value maximized

Sensor to task assignment matrix

Maximum tasks for a specific sensor

Optimum assignments as determined by program



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