





its a Bird, its a Plane?... No, it's an Allegory of a Life Cycle Support System

> **Centralizing Loran Technical and Logistics Support Systems**

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THAT IS ONE NASTY LOOKING PROBLEM.



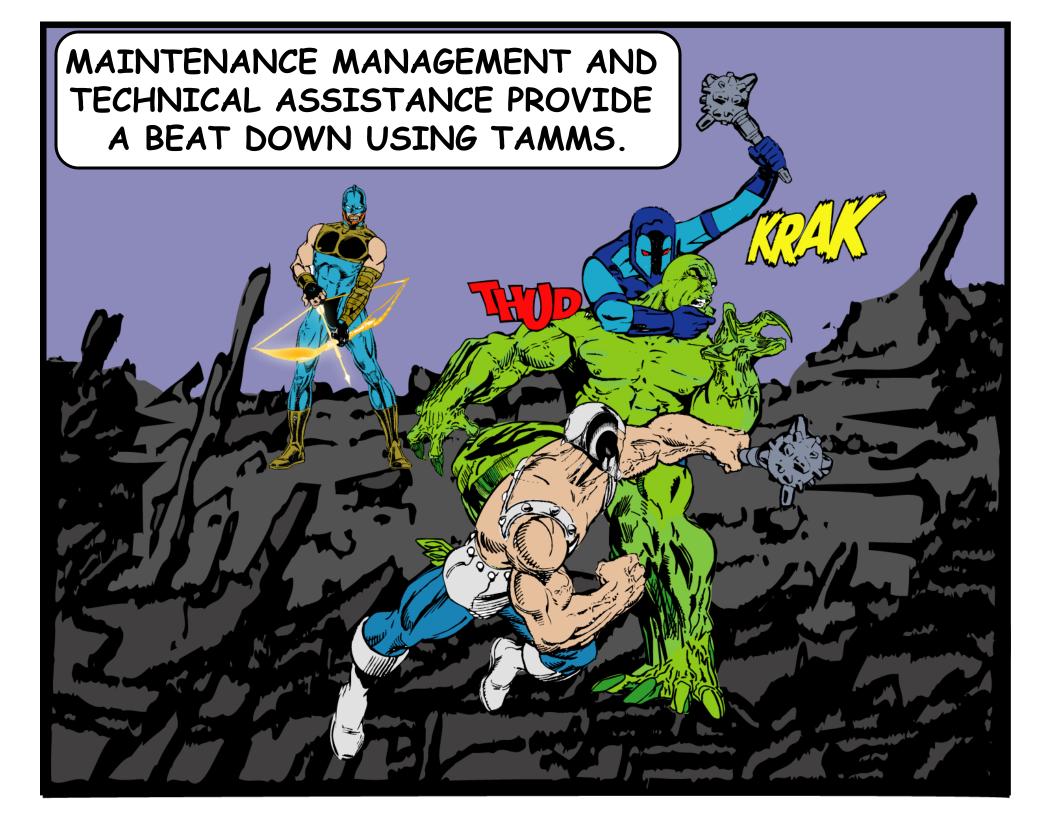
DRAT! THIS PROBLEM NEEDED HUMAN INTERVENTION. IT LOOKS LIKE A LOT OF BAD AIR TIME FOR THIS STATION.

BUT WAIT! ITS....



TECHNICAL INFORMATION MANAGEMENT GIVES THAT PROBLEM A HEAVY DOSE OF TIMS.





ELECTRONIC LOGISTIC SUPPLY MANAGEMENT FIRES OFF ELSS.

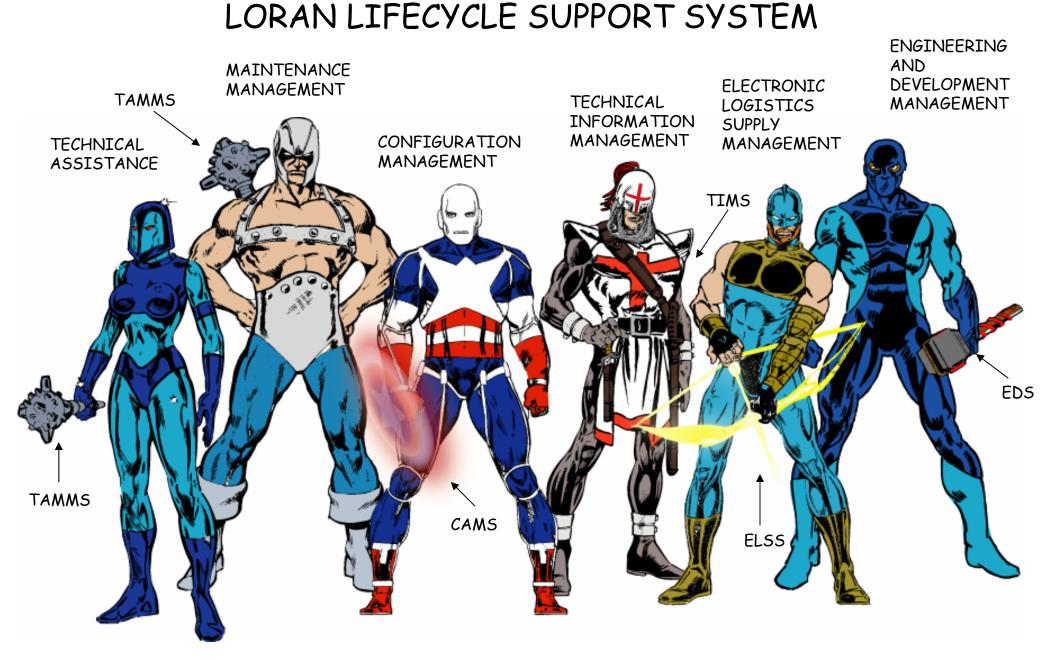


ENGINEERING DEVELOPMENT GIVES THE PROBLEM A FACE FULL OF EDS.

CONFIGURATION MANAGEMENT DELIVERS THE KNOCK OUT BLOW USING CAMS



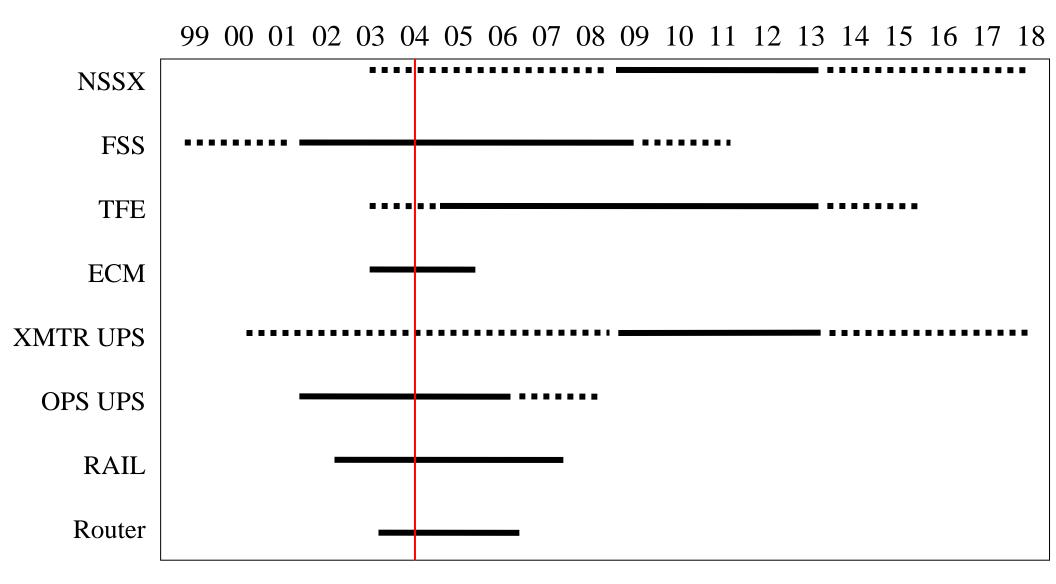
ONCE AGAIN THE DAY IS SAVED THANKS TO THE WARRIORS AND WEAPONS OF THE



WHY ARE WE WHERE WE ARE?...or, CAN WE BLAME IT ON THE KRYPTONITE!?

- LRP siphoned most of LSU's resources for modernization efforts.
- LSU concentrated on engineering, standardizing configurations, & installing systems.
- Systems fielded used warranty support & did not address complete life-cycle of the system
- Training, tech support & technical information systems were not fully developed.

Warranty Situation



WHERE DO WE GO FROM HERE? or...A MEANS OF GETTING AWAY FROM THE KRYPTONITE!!

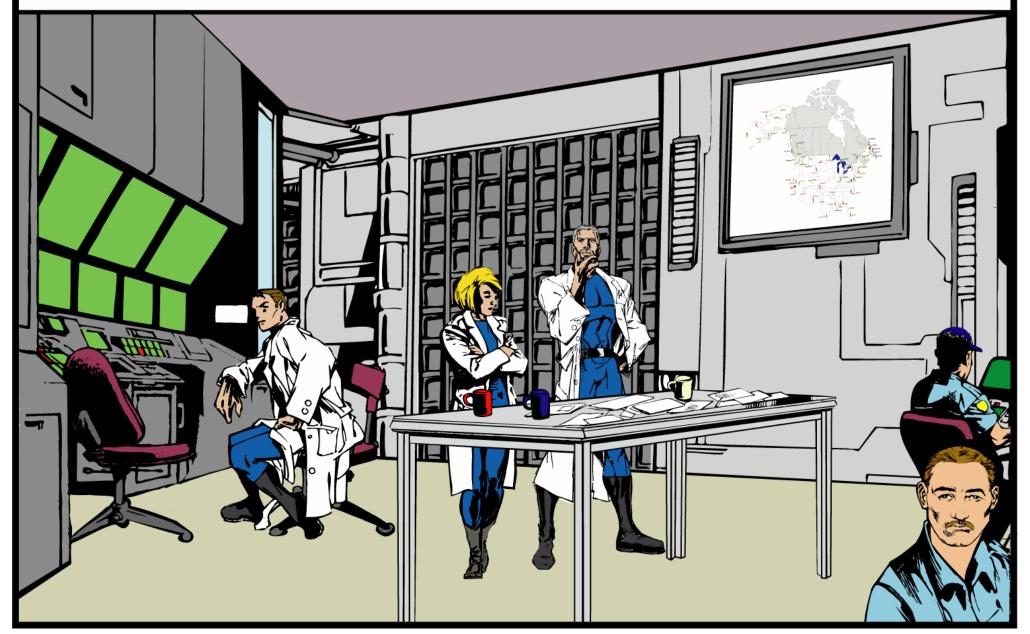
- **Configuration management system** that provides centralized control & technical support.
- **Technical information program** that provides information to enhance effective troubleshooting & equipment repair & provides stimulated training.
- Logistics program that provides adequate spare parts and tracks inventory.
- Engineering Development Program that delivers products based on customer requirements; follows sound technical business plan.

IS THIS THE ANSWER?



I WISH IT WERE THAT EASY !!!!

THE ANSWER: CENTRALIZED TECHNICAL HELP DESK AND MAINTENANCE MANAGEMENT SYSTEM



Tech Support Help Desk

Triage Philosophy

Layer 1 – Over the wire support; solve 80% of problems above the level of the onsite tech.

Layer 2 – Over the wire support w/IPST; upgraded tech expertise from LSU; solve most remaining 20% of problems.

Layer 3 – Support for malingering problems not solved by the IPST or catastrophic failures. Layer 3 auto implements ERFT.

Maintenance Management System

Preventive Maintenance System

Corrective Maintenance System

PMS Manhour Requirements for Loran Platforms

Platform	# of Platforms	Annual PMS	Total
TTX Dual/Single Rate	6	1700	10200
SSX Dual/Single Rate 32 HCG	6	500	3000
SSX Dual/Single Rate 56 HCG	7	720	5040
NSSX 16 HCG	4	50	200
NSSX 48 HCG	1	120	120
PCMS Site	24	180	4320
Totals	48	3270	22880

PMS Manhour Availability for Each Station Type

Station Type	Annual Hours/P erson Based on 40 Hour Week	# Technic al Person nel Assign ed/ Unit	Available Manho urs/ Unit	# of Stati on Type s	Annual Avail able Hour s/ Stati on Type
Isolated TTX	2080	6	12480	3	37440
Other TTX	2080	4	8320	3	24960
SSX	2080	3	6240	13	81120
NSSX	2080	4	8320	5	41600
Totals	2080	17	35360	24	185120

CONCLUSION

CAMS/Configuration MgtTIMSTechnical Information Mgt

TAMMSMaintenance
Maintenance
Management Systems
Technical Assistance

ELSS Logistics and Depot Support

EDS <u>Engineering Support</u>



