



U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

Human Factors ITAAC

Reviews

January 29, 2009



Impacts on Fuel Load Schedule

- Licensed operators are required to load fuel.
- Prior to fuel load, Industry estimates two licensed operator examinations will be required.
- Operator license exams require a plant-referenced simulator. (10 CFR 55.46)
- Certification of the simulator requires a complete control room design.
- A complete control room design requires an HFE program implementation.

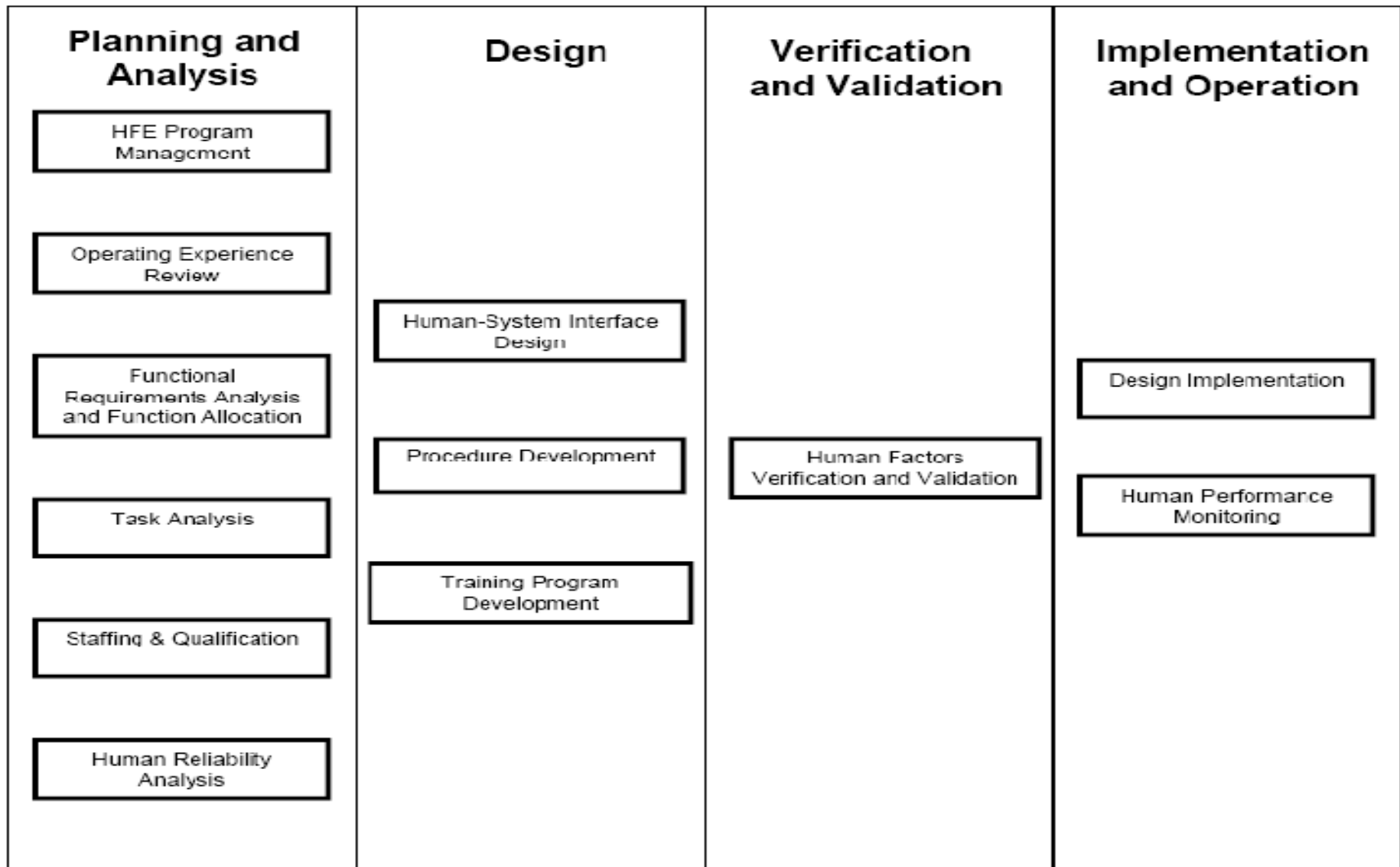


HFE Program Review

- HFE program review approach
 - Program level review
 - Implementation Plan level review
 - Results review
- Sequence of reviews



NUREG 0711 chart





Impact of Review Approach on ITAAC Inspection Resources

Designs Approved To-Date	Designs Under Review
Applicants submitted high-level HFE program descriptions	Applicants providing detailed HFE program Implementation Plans
Staff conducted program-level reviews	Staff is conducting implementation plan level reviews
Implementation Plan deferred to ITAAC	Completed Implementation Plans provide detailed acceptance criteria
ITAAC inspection of Implementation Plan & results	ITAAC inspection of results against more detailed acceptance criteria
Significant resources (staff & time) required for ITAAC inspection	Fewer resources required for focused inspections



Bottom Line

- ITAAC inspection sequence must be managed to support fuel load schedules.
- ITAAC closure resources for designs approved to-date must be budgeted appropriately.