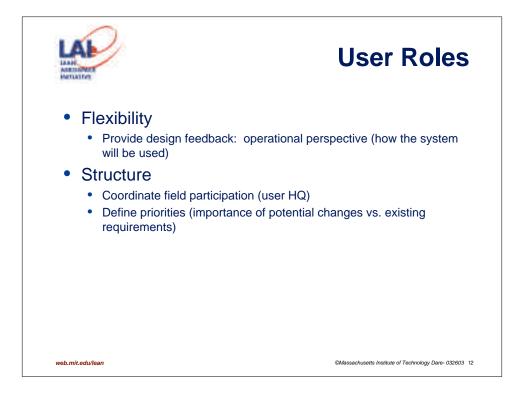


LAAH ARETONNEE HATLATINE	SPO Roles for Adaptability				
Activity	SPO Role	High Performance (Examples from cases)	Low Performance (Examples from cases)		
Demonstrate partial design	Encourage and facilitate user engagement during the design phase	Emphasized importance of user involvement from the start of design; user shown that inputs made a difference	Discouraged user from participation during design phase (SPO felt user role was limited to defining requirements)		
	Manage user expectations	Briefed user on current and future SR capabilities in preparation for user interaction with SR	Decided not to share SR with users until substantial functionality was available due to concern that user would criticize program		
Identify potential design or requirements changes	Provide design feedback: system considerations and "ilities" (reliability, maintainability, interoperability)	Tracked system's ability to flow data to meet all user needs; Analyzed technical risk areas (e.g. antenna interference and COTS performance in operating environment) to ensure system reliability	Allowed contractor to develop and demonstrate system in non-integrated segments; Lacked process for tracking related systems that were in development to spot future interoperability issues		
Evaluate potential changes	Facilitate contractor evaluation	Established contract provisions for studies; Encouraged contractor "what if" exercises	No resources planned for contractor "what if" exercises		
	Evaluate risks	Assessed realism of cost estimates; Weighed added risk to meeting constraints	Underestimated resources required to implement changes		
Incorporate changes into baseline	Issue rapid approval	Added work scope and funds to contract quickly	May have delayed timely implementation due to under staffing (not conclusive)		



Activity	User Roles	High Performance (Examples from cases)	Low Performance (Examples from cases)
Demonstrate partial design	Coordinate field participation	Designated user headquarters coordinated involvement of future field users who had experience operating existing systems	Did not participate in review of contractor's design, or had review of design by user headquarters personnel only
Identify potential design or requirements changes	Provide design feedback: operational perspective (how system will be used)	Commented on how operators would use the system - led to design improvements and changes in requirements	Had minimal or no user interaction after initial requirements definition
Evaluate potential changes	Define priorities (importance of potential changes)	Updated priority list weekly; leadership emphasized importance of establishing and communicating clear priorities	Had minimal or no user interaction after initial requirements definition
Incorporate changes into baseline	N/A	NA	N/A
	y backgrounds are best practices suppo- ither common practice (well understood)		



Activity	Contractor Roles	High Performance (Examples from cases)	Low Performance (Examples from cases)
Demonstrate partial design	Create and share SR	See SR discussion and findings in Chapter 6 regarding knowledge sharing and SR fidelity	See SR discussion and findings in Chapter 6 regarding knowledge sharing and SR fidelity
Identify potential design or requirements changes	Select design options to meet requirements	Standard part of work effort – no appreciable differentiation between programs	Standard part of work effort – no appreciable differentiation between programs
Evaluate potential changes	Evaluate cost, benefit and best implementation approach	Assessed the benefit of changes and the work effort required for implementation; explored implementation options	Responded to user requests with minimal consideration of cost and schedule impacts
Incorporate changes into baseline	Update SR	Incorporated changes and provided iterative opportunities for SR review	Made limited (or no) iterations of SR available for government review
	Update program documentation	Ensured thorough documentation of all changes	Captured agreements inconsistently

