

USACE NavLocks HPO PWS
Technical Exhibit 1. Performance Requirement Summary

TE-1 Descriptive - This Tech Exhibit references sections C.1.3 & C.1.8, C.5.5.2 and C.5.7.1 of the PWS. The focus of this exhibit is performing services that ensure sustainability of the environment, optimization and standardization of lock and dam operations and maintenance along with system functionality.

Required Service	WBS Paragraph Number	Outcome/Measure	Standard/Performance Requirement	Performance Measurement/Metric	Performance Metric
Operate Lock	1.0	System Availability/Lock availability	Lock availability meets or exceeds the 2006 performance described in TE 2.	Percent availability= ((Total open hours in a year-chamber unavailability hours)/Total open hours in a year)*100. See TE 2 for lock availability standards.	Deviation 10.0% Acceptable 91.0 to 100%. Unacceptable 90.9% or less
Maintain Pool Level Channel O&M	2.1, 8.0	Channel Availability	Channel is available for traffic (based on middle 50% of authorized channel width)	System availability of navigation channel (being developed for OMB) :95% or greater	Acceptable range: 95% or above Unacceptable: below 95%
Perform Lock Maintenance	3.1	Availability	Lock locations, facilities, assets maintained to meet availability requirements in Operate Lock 1.0	See 1.0	See 1.0
Perform Lock Emergency Maintenance & Repair	3.3	Availability	Lock locations, facilities, assets maintained to meet availability requirements in Operate Lock 1.0	See 1.0	See 1.0

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Required Service	WBS Paragraph Number	Outcome/Measure	Standard/Performance Requirement	Performance Measurement/Metric	Performance Metric
Maintain & Repair Dam	4.0	Availability	Lock locations, facilities, assets maintained to meet availability requirements in Operate Lock 1.0	See 1.0	See 1.0
Conduct Scheduled Major Maintenance & Repairs (takes more than on-site staff or equipment). This includes life cycle replacement.	5.1	Performance	95 Percentage of scheduled/funded major maintenance actions completed on schedule by lock site.	Number of scheduled/funded major maintenance actions completed on-time by lock site divided by the total number of major maintenance actions by lock site for that month. Example the service provider for lock "X" completed only 90 % of scheduled major maintenance tasks within their schedule in a given month.	Acceptable range: 95% or above Unacceptable: below 95%
Conduct Emergency (unscheduled) Repairs	5.2	Response Time	Respond with an assessment within 2 hrs, develop a plan, obtains approval, and fulfill the objectives of the plan.	Number of EM&R events where plans were not developed within 2 hrs of event divided by the total EM&R events in that year. Number of EM&R events where the response plan objectives were not met divided by the total number of EM&R events in that year.	Acceptable range: Less than 2 hr response time Unacceptable: Greater than 2 hr response time

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Required Service	WBS Paragraph Number	Outcome/Measure	Standard/Performance Requirement	Performance Measurement/Metric	Performance Metric
Prepare and Manage Annual Lock & Dam Operations & Maintenance Budget	6.1	Performance	100% of budgets completed on-time	Number of budgets completed on time divided by the total number of budgets required in that year.	Acceptable range: 100% Unacceptable: Anything less than 100%
Perform/execute Lock, Dam, & Facility Security	6.5	Performance	100% of security plans are maintained by lock site.	Number of lock sites that have maintained their security plans divided by the total number of lock sites.	Acceptable range: 100% Unacceptable: Anything less than 100%
Capital investment - (currently involves PRIP program management)	6.8	Performance	100 % of Capital Investment plans completed annually.	Number of Capital investment plans completed divided by the total number of plans requested in that year.	Acceptable range: 100% Unacceptable: Anything less than 100%