

Options for Future Cyber Security Inspection Frequencies

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|---|---|---|--|---|---|---|
| <p align="center">Option colors depict, in relation to other options, lowest to highest preference: Red (LOWEST), Orange, Yellow, Green, Blue, Violet (HIGHEST)</p> | <p align="center">Option 1 [Biennial] Maintain the Current Biennial Inspection, the Current Inspection Scope and the Current 4 Person Team</p> | <p align="center">Option 2 [Biennial-Scope Light] Maintain the Current Biennial Inspection, Reduce the Inspection Scope and Maintain the Current 4 Person Team</p> | <p align="center">Option 3 [Annual] Change to an Annual Inspection, Split the Scope in Half and Reduce to a 2 Person Team</p> | <p align="center">Option 4 [Triennial-Team Light] Change to an Triennial Inspection, Maintain the Current Inspection Scope and Reduce to a 3 Person Team</p> | <p align="center">Option 5 [Triennial] Change to an Triennial Inspection, Maintain the Current Inspection Scope and Maintain the Current 4 Person Team</p> | <p align="center">Option 6 [Quadrennial] Change to an Quadrennial Inspection, Maintain the Current Inspection Scope and Maintain the Current 4 Person Team</p> |
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|--|-------|-------|-------|-------|-------|-------|
| No change impact on regions | TRUE | TRUE | FALSE | FALSE | FALSE | FALSE |
| No inspection scope changes needed. | TRUE | FALSE | FALSE | TRUE | TRUE | TRUE |
| Inspection team has adequate time to complete scope. | FALSE | TRUE | TRUE | TRUE | TRUE | TRUE |
| Inspection scope efficiently uses FTE resources. | FALSE | TRUE | TRUE | TRUE | FALSE | FALSE |
| Inspection teams become more proficient. | TRUE | TRUE | TRUE | MAYBE | MAYBE | MAYBE |
| Emerging threats and vulnerabilities (e.g. AI, Machine Learning, etc.) can be assessed in a timely manner. | TRUE | TRUE | TRUE | FALSE | FALSE | FALSE |
| More frequent assessment of licensee cyber programs. | TRUE | TRUE | TRUE | FALSE | FALSE | FALSE |
| No inspection team workarounds needed. | FALSE | TRUE | TRUE | TRUE | TRUE | TRUE |
| Licensee's inspection support resources increase. | FALSE | FALSE | FALSE | TRUE | TRUE | TRUE |
| Adequate time for inspection team to disposition issues. | FALSE | FALSE | FALSE | TRUE | TRUE | TRUE |
| Corrective action review is timely. | TRUE | TRUE | TRUE | FALSE | FALSE | FALSE |
| Inspector preparation will be more effective. | FALSE | FALSE | FALSE | TRUE | TRUE | TRUE |
| No challenges to scheduling inspections. | TRUE | TRUE | FALSE | TRUE | TRUE | TRUE |
| No challenges to staffing inspections. | TRUE | TRUE | FALSE | TRUE | TRUE | TRUE |
| No challenges for licensee to provide corporate support. | FALSE | FALSE | FALSE | TRUE | TRUE | TRUE |
| Addresses licensee biennial inspection concerns. | FALSE | FALSE | FALSE | TRUE | TRUE | TRUE |
| No change in agency's budget. | TRUE | TRUE | FALSE | FALSE | FALSE | FALSE |
| Licensees' cyber program assessment quality and depth increases. | TRUE | TRUE | TRUE | FALSE | FALSE | FALSE |
| Inspection team capable of more thorough inspection (e.g. deep scrub). | FALSE | TRUE | FALSE | TRUE | TRUE | TRUE |
| Knowledge transfer and cyber training increases. | FALSE | FALSE | FALSE | FALSE | TRUE | TRUE |
| Promotes/facilitates open engagement between NRC inspectors and licensees | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE |
| Stakeholder engagement during the development of options | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE |
| Enhances the ability to implement a flexible approach to inspections | FALSE | TRUE | TRUE | TRUE | TRUE | TRUE |
| Inspectors are well-positioned to engage licensees on cyber issues and speak authoritatively on cyber requirements | FALSE | TRUE | TRUE | TRUE | TRUE | TRUE |
| Allows for consistent application of inspection program across all licensees and regions | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE |
| Provides depth/redundancy to ensure staff departures/attrition do not cause adverse impact to program implementation | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE |
| Consistent inspection frequency with other disciplines within the NRC's purview (e.g., fire protection, CETI, FEI's) | FALSE | FALSE | FALSE | TRUE | TRUE | TRUE |

| Options for Future Cyber Security Inspection Frequencies | | | | | | |
|---|--|--|---|--|--|--|
| Options are graded from 1-5, measuring how well the option achieves the overall objective for each criterion. (5 = Strongly Agree thru 1 = Strongly Disagree) Option colors depict, in relation to other options, lowest to highest preference. Overall Score | Option 1 [Biennial] Maintain the Current Biennial Inspection, the Current Inspection Scope and the Current 4 Person Team | Option 2 [Biennial-Scope Light] Maintain the Current Biennial Inspection, Reduce the Inspection Scope and Maintain the Current 4 Person Team | Option 3 [Annual] Change to an Annual Inspection, Split the Scope in Half and Reduce to a 2 Person Team | Option 4 [Triennial-Team Light] Change to an Triennial Inspection, Maintain the Current Inspection Scope and Reduce to a 3 Person Team | Option 5 [Triennial] Change to an Triennial Inspection, Maintain the Current Inspection Scope and Maintain the Current 4 Person Team | Option 6 [Quadrennial] Change to an Quadrennial Inspection, Maintain the Current Inspection Scope and Maintain the Current 4 Person Team |
| Overall Score | 90 | 99 | 88 | 115 | 111 | 109 |

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|--|---|---|---|---|---|---|
| No change impact on regions | 5 | 5 | 1 | 4 | 4 | 3 |
| No inspection scope changes needed. | 5 | 3 | 4 | 5 | 5 | 5 |
| Inspection team has adequate time to complete scope. | 2 | 5 | 4 | 5 | 5 | 5 |
| Inspection scope efficiently uses FTE resources. | 3 | 5 | 4 | 4 | 2 | 2 |
| Inspection teams become more proficient. | 4 | 4 | 5 | 3 | 3 | 3 |
| Emerging threats and vulnerabilities (e.g. AI, Machine Learning, etc.) can be assessed in a timely manner. | 4 | 4 | 5 | 2 | 2 | 1 |
| More frequent assessment of licensee cyber programs. | 4 | 4 | 5 | 3 | 3 | 2 |
| No inspection team workarounds needed. | 1 | 2 | 4 | 5 | 5 | 5 |
| Licensee's inspection support resources increase. | 2 | 2 | 1 | 4 | 4 | 5 |
| Adequate time for inspection team to disposition issues. | 2 | 2 | 2 | 5 | 5 | 5 |
| Corrective action review is timely. | 4 | 4 | 5 | 3 | 3 | 1 |
| Inspector preparation will be more effective. | 2 | 3 | 4 | 5 | 5 | 5 |
| No challenges to scheduling inspections. | 4 | 4 | 1 | 5 | 4 | 5 |
| No challenges to staffing inspections. | 4 | 4 | 2 | 5 | 5 | 5 |
| No challenges for licensee to provide corporate support. | 2 | 2 | 1 | 4 | 4 | 4 |
| Addresses licensee biennial inspection concerns. | 2 | 2 | 1 | 5 | 5 | 5 |
| No change in agency's budget. | 5 | 5 | 4 | 4 | 1 | 3 |
| Licensee's cyber program assessment quality and depth increases. | 4 | 4 | 5 | 3 | 3 | 2 |
| Inspection team capable of more thorough inspection (e.g. deep scrub). | 3 | 5 | 3 | 5 | 5 | 5 |
| Knowledge transfer and cyber training increases. | 2 | 2 | 1 | 3 | 5 | 5 |
| Promotes/facilitates open engagement between NRC inspectors and licensees | 3 | 3 | 3 | 4 | 4 | 4 |
| Stakeholder engagement during the development of options | 5 | 5 | 5 | 5 | 5 | 5 |
| Enhances the ability to implement a flexible approach to inspections | 3 | 5 | 4 | 5 | 5 | 5 |
| Inspectors are well-positioned to engage licensees on cyber issues and speak authoritatively on cyber requirements | 4 | 4 | 5 | 4 | 4 | 4 |
| Allows for consistent application of inspection program across all licensees and regions | 5 | 5 | 5 | 5 | 5 | 5 |
| Provides depth/redundancy to ensure staff departures/attrition do not cause adverse impact to program implementation | 4 | 4 | 3 | 5 | 5 | 5 |
| Consistent inspection frequency with other disciplines within the NRC's purview (e.g., fire protection, CETI, FEI's) | 2 | 2 | 1 | 5 | 5 | 5 |