

Assessment and Repair - Confirmatory Direct Assessment

4. CDA Plan (detail) *Is an adequate Confirmatory Direct Assessment Plan in place?* (AR.CDA.CDAPLAN.P) (detail)

192.931 (192.931(a); 192.931(b); 192.931(c); 192.931(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. External Corrosion Plan (detail) *From the review of the results of selected integrity assessments, was the external corrosion plan properly implemented?* (AR.CDA.CDAEXTCORR.R) (detail)

192.931(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Internal Corrosion Plan (detail) *From the review of the results of selected integrity assessments, was the internal corrosion plan properly implemented?* (AR.CDA.CDAINTCORR.R) (detail)

192.931(c)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Remediation of Indications (detail) *From the review of the results of selected integrity assessments, was the need to accelerate the next assessment evaluated?* (AR.CDA.CDAINDICATION.R) (detail)

192.931(d)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Assessment and Repair - External Corrosion Direct Assessment (ECDA)

3. ECDA Plan (detail) *Is an adequate ECDA plan and process in place for conducting ECDA?* (AR.EC.ECDAPLAN.P) (detail)

192.925(a) (192.925(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. ECDA Pre-Assessment (detail) *From the review of the results of selected integrity assessments, does the ECDA pre-assessment process comply with NACE SP0502-2008 Section 3 and §192.925(b)(1)?* (AR.EC.ECDAPREASSESS.R) (detail)

192.925(b)(1) (NACE SP-0502-2008, Section 3.2)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Integration of ECDA Results with other Information (detail) *Is the process for integrating ECDA results with other information adequate?* (AR.EC.ECDAINTEGRATION.P) (detail)

192.917(b) (B31.8S Section 4.5)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

6. Integration of ECDA Results with other Information (detail) *From a review of records, did the operator integrate other data/information when evaluating data/results?* (AR.EC.ECDAINTEGRATION.R) (detail)

192.917(b) (B31.8S Section 4.5)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

7. ECDA Region Identification (detail) *From the review of the results of selected integrity assessments, did the operator identify ECDA Regions?* (AR.EC.ECDAREGION.R) (detail)

192.925(b)(1) (NACE SP 0502 2008)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

8. ECDA Indirect Examination (detail) *From the review of the results of selected integrity assessments, does the ECDA indirect inspection process comply with NACE SP0502-2008 Section 4 and ASME B31.8S-2004, Section 6.4?* (AR.EC.ECDAINDIRECT.R) (detail)

192.925(b)(2) (NACE SP0502-2008, Section 4)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

9. ECDA Direct Examination (detail) *From the review of the results of selected integrity assessments, were excavations and data collection performed in accordance with NACE SP0502-2008, Sections 5 and 6.4.2 and ASME B31.8S, Section 6.4?* (AR.EC.ECDADIRECT.R) (detail)

192.925(b)(3) (NACE SP-0502-2008 Sections 5 and 6.4.2)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

10. Quality of ECDA Data Analysis (detail) *From the review of the results of integrity assessments, was analysis of the ECDA data and other information adequate to identify external corrosion threats to the pipeline?* (AR.EC.ECDAANALYSIS.R) (detail)

192.925(b)(4) (192.933(b); B31.8S Section 6.4)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

12. ECDA Post-Assessment (detail) *From the review of the results of selected integrity assessments, were requirements met for post assessment?* (AR.EC.ECDAPOSTASSESS.R) (detail)

192.925(b)(4) (NACE SP-0502-2002 Section 6.2)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

Assessment and Repair - Internal Corrosion Direct Assessment

3. ICDA Plan (detail) *Is an adequate ICDA plan and process in place for conducting ICDA?* (AR.IC.ICDAPLAN.P) (detail)

192.927(c) (192.927(a); 192.927(b); ASME B31.8S, Section 6.4 and Appendix B2)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

4. Pre-Assessment (detail) *From the review of the results of selected integrity assessments, were the requirements met for an ICDA pre-assessment? (AR.IC.ICDAPREASSESS.R) (detail)*

192.927(c)(1) (B31.8S Appendix A2)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

5. Integration of ICDA Results with other Information (detail) *Is the process for integrating ICDA results with other information adequate? (AR.IC.ICDAINTEGRATION.P) (detail)*

192.917(b) (B31.8S Section 4.5)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

6. Integration of ICDA Results with Other Information (detail) *From a review of records, were other data/information integrated when evaluating data/results? (AR.IC.ICDAINTEGRATION.R) (detail)*

192.917(b) (B31.8S Section 4.5)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

7. ICDA Region Identification (detail) *From the review of the results of selected integrity assessments, were ICDA Regions adequately identified? (AR.IC.ICDAREGION.R) (detail)*

192.927(c)(2) (192.927(c)(5))

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

8. Identification of Locations for Excavation and Direct Examination (detail) *From the review of the results of selected integrity assessments, were sites identified where internal corrosion may be present? (AR.IC.ICDADIRECT.R) (detail)*

192.927(c)(3) (192.927(c)(5))

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

10. Post-Assessment Evaluation and Monitoring (detail) *From the review of the results of selected integrity assessments, did the operator assess the effectiveness of the ICDA process? (AR.IC.ICDAPOSTASSESS.R) (detail)*

192.927(c)(4)(i) (192.927(c)(4)(ii))

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

11. Quality of ICDA Data Analysis (detail) *From the review of the results of integrity assessments, was analysis of the ICDA data and other information adequate to identify internal corrosion threats to the pipeline? (AR.IC.ICDAANALYSIS.R) (detail)*

192.927 (192.933(b); B31.8S Section 6.4, Appendix A2 and Appendix B2)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

Assessment and Repair - Repair Criteria

1. Definition of Discovery (detail) *Does the integrity assessment process properly define discovery and the required time frame? (AR.RC.DISCOVERY.P) (detail)*

192.933(b)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

2. Inclusion of All IM Repair Criteria (detail) *Do the operator's Integrity Management Plan and/or maintenance processes include all of the §192.933 repair criteria? (AR.RC.IMPRC.P) (detail)*

192.911(e) (192.933(c); 192.933(d))

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

3. Categorization of Defects (detail) *From the review of the results of integrity assessments, were all defects properly categorized or discovered? (AR.RC.DEFECTCAT.R) (detail)*

192.933(d) (192.933(b); 192.933(c))

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

4. Pressure Reductions Taken in Response to Remediation of Conditions (detail) *From the review of the results of integrity assessments, was an acceptable pressure reduction promptly taken for each Immediate Repair condition or when a repair schedule could not be met? (AR.RC.PRESSREDUCE.R) (detail)*

192.933(a)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

5. Prioritized Schedule (detail) *From the review of the results of integrity assessments, did the operator develop a prioritized schedule? (AR.RC.SCHEDULE.R) (detail)*

192.933(c) (ASME B31.8S, Section 7)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

6. Adequacy of Remediation (detail) *From the review of the results of integrity assessments, is the remediation specified in the prioritized schedule adequate to ensure the integrity of the pipeline until the next scheduled reassessment? (AR.RC.METHOD.R) (detail)*

192.933(a)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

7. Repair Criteria in Covered Segments (detail) *Does the repair process cover all of the elements for making repairs in covered segments? (AR.RC.CRITERIA.P) (detail)*

192.933(c)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

8. Timely Remediation (detail) *From the review of the results of integrity assessments, were defects in segments that could affect an HCA remediated or dispositioned (i.e., repair, pressure reduction, or notification to PHMSA) within the applicable mandatory time limits of 192.933(d)?* (AR.RC.SCHEDULEIMPL.R) (detail)

192.933(d) (ASME B31.8S Section 7)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

Assessment and Repair - Stress Corrosion Cracking

2. SCCDA Plan (detail) *Is an adequate plan developed for performing SCCDA, if the conditions for SCC were present?* (AR.SCC.SCCDAPLAN.P) (detail)

192.929(b) (B31.8S Appendix A3)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

3. Collect and Evaluate Data (detail) *From the review of the results of selected integrity assessments, were data collected and evaluated?* (AR.SCC.SCCDADATA.R) (detail)

192.929(b)(1) (B31.8S Appendix A3.2)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

4. Assessment Method (High pH SCC) (detail) *From the review of the results of selected integrity assessments, did the operator perform an assessment using one of the methods specified in B31.8S Appendix A3?* (AR.SCC.SCCDAMETHOD.R) (detail)

192.929(b)(2) (B31.8S Appendix A3)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

5. Assessing for Near Neutral SCC (detail) *From the review of the results of selected integrity assessments, was the pipeline evaluated for near neutral SCC?* (AR.SCC.SCCDANEARNEUTRAL.R) (detail)

192.929(b)(2)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

6. Reassessment Interval (detail) *From the review of the results of selected integrity assessments, did the operator determine a reassessment interval based on SCCDA results?* (AR.SCC.SCCDAREASSESSINTRVL.R) (detail)

192.939(a)(3)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

Integrity Management - Baseline Assessments

1. IM Baseline Assessments - Methods (detail) *Does the process include requirements for specifying an assessment method(s) for each covered segment that is best suited for identifying anomalies associated with specific threats identified for the segment? (IM.BA.BAMETHODS.P) (detail)*

192.919(b) (192.921(a); 192.921(c); 192.921(h))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

2. IM Baseline Assessments - Methods (detail) *Was an assessment method(s) specified for each covered segment that is best suited for identifying anomalies associated with specific threats identified for the segment? (IM.BA.BAMETHODS.R) (detail)*

192.919(b) (192.921(a); 192.921(c); 192.921(h))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

3. IM Baseline Assessments - Prioritized Schedule (detail) *Does the BAP process require a schedule for completing the assessment activities for all covered segments and consideration of applicable risk factors in the prioritization of the schedule? (IM.BA.BASCHEDULE.P) (detail)*

192.917(c), (192.919(c); 192.921(b))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

4. IM Baseline Assessments - Prioritized Schedule (detail) *Does the BAP contain a schedule for completing the assessment activities for all covered segments that appropriately considered the applicable risk factors in the prioritization of the schedule as required by the process? (IM.BA.BASCHEDULE.R) (detail)*

192.917(c) (192.919(c); 192.921)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

5. IM Baseline Assessments - Prior Assessments (detail) *Does the process require that prior assessment methods meet the requirements of §192.921(a) and associated remedial actions to have been carried out to address conditions listed in §192.933? (IM.BA.BAPRIOR.P) (detail)*

192.921(e)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

6. IM Baseline Assessments - Prior Assessments (detail) *From a review of selected records, have prior assessment methods met the requirements of §192.921(a) and associated remedial actions to have been carried out to address conditions listed in §192.933? (IM.BA.BAPRIOR.R) (detail)*

192.921(e)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

7. IM Baseline Assessments - New HCAs/Newly Installed Pipe (detail) *Does the process include requirements for updating the baseline assessment plan for new HCAs and newly installed pipe? (IM.BA.BANEW.P) (detail)*

192.905(c) (192.921(f); 192.921(g))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

8. IM Baseline Assessments - New HCAs/Newly Installed Pipe (detail) *Has the BAP been adequately updated for new HCAs and newly installed pipe? (IM.BA.BANEW.R) (detail)*

192.905(c), (192.921(f); 192.921(g))

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

9. IM Baseline Assessments - Environmental & Safety Risks (detail) *Does the process include requirements for conducting integrity assessments (baseline and reassessment) in a manner that minimizes environmental and safety risks? (IM.BA.BAENVIRON.P) (detail)*

192.911(m) (192.911(o); 192.919(e); ASME B31.8S-2004, Section 11)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

10. IM Baseline Assessments - Environmental & Safety Risks (detail) *From a review of selected records, have integrity assessments (baseline and reassessment) been conducted in a manner that minimizes environmental and safety risks? (IM.BA.BAENVIRON.R) (detail)*

192.911(m) (192.11(o); 192.919(e); ASME B31.8S-2004, Section 11)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

Integrity Management - Continual Evaluation and Assessment

1. Periodic Evaluations (detail) *Does the process include requirements for a periodic evaluation of pipeline integrity based on data integration and risk assessment to identify the threats specific to each covered segment and the risk represented by these threats? (IM.CA.PERIODICEVAL.P) (detail)*

192.937(b) (192.917(a); 192.917(b); 192.917(c); 192.917(d); 192.917(e))

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

2. Periodic Evaluations (detail) *Have periodic evaluations of pipeline integrity been performed based on data integration and risk assessment to identify the threats specific to each covered segment and the risk represented by these threats? (IM.CA.PERIODICEVAL.R) (detail)*

192.937(b) (192.917(a); 192.917(b); 192.917(c); 192.917(d); 192.917(e))

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

3. IM Continual Assessments - Methods (detail) *Is the approach for establishing reassessment method(s) consistent with the requirements in §192.937(c)? (IM.CA.REASSESSMETHOD.P) (detail)*

192.937(c) (192.931)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

4. IM Continual Assessments - Methods (detail) *Has the approach for establishing the reassessment method been performed in a manner consistent with the requirements in §192.937(c) and as required? (IM.CA.REASSESSMETHOD.R) (detail)*

192.937(c) (192.931)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

5. Low Stress Reassessments (detail) *Does the process include requirements for the "low stress reassessment" method to address threats of external and/or internal corrosion for pipelines operating at below 30% SMYS. (IM.CA.LOWSTRESSREASSESS.P) (detail)*

192.941(a) (192.941(b); 192.941(c))	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

6. Low Stress Reassessments (detail) *Is the implementation of "low stress reassessment" method to address threats of external and/or internal corrosion adequate and being performed as required? (IM.CA.LOWSTRESSREASSESS.R) (detail)*

192.941(a) (192.941(b); 192.941(c))	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

7. Reassessment Intervals (detail) *Is the process for establishing the reassessment intervals consistent with §192.939 and ASME B31.8S-2004? (IM.CA.REASSESSINTERVAL.P) (detail)*

192.937(a) (192.939(a); 192.939(b); 192.913(c); ASME B31.8S-2004, Section 5, Table 3)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

8. Reassessment Intervals (detail) *Have reassessment intervals been established in a manner consistent with §192.939 and ASME B31.8S-2004 as required? (IM.CA.REASSESSINTERVAL.R) (detail)*

192.937(a) (192.939(a); 192.939(b); 192.913(c); ASME B31.8S-2004, Section 5, Table 3)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

9. Waiver from Reassessment Interval in Limited Situations (detail) *Does the process include requirements for reassessment interval waivers? (IM.CA.REASSESSWAIVER.P) (detail)*

192.943(a) (192.943(b))	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

10. Waiver from Reassessment Interval in Limited Situations (detail) *Have reassessment interval waivers been adequately implemented, if applicable? (IM.CA.REASSESSWAIVER.R) (detail)*

192.943(a) (192.943(b))	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

11. Deviation from Reassessment Requirements based on Exceptional Performance (detail)

Does the process include requirements for deviations from reassessment requirements based on exceptional performance?
(IM.CA.REASSESEXCPERF.P) (detail)

192.913(a) (192.913(b); 192.913(c); ASME B31.8S-2004)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

12. Deviation from Reassessment Requirements based on Exceptional Performance (detail)

Have deviations from reassessment requirements based on exceptional performance been adequately handled, if applicable?
(IM.CA.REASSESEXCPERF.R) (detail)

192.913(a) (192.913(b); 192.913(c); ASME B31.8S-2004)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Integrity Management - High Consequence Areas

1. IM High Consequence Areas - HCA Identification (detail) *Does the process include the methods defined in §192.903 High Consequence Area (1) and/or §192.903 High Consequence Area (2) to be applied to each pipeline for the identification of high consequence areas?* (IM.HC.HCAID.P) (detail)

192.905(a)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. IM High Consequence Areas - HCA Identification (detail) *Was the identification of pipeline segments in high consequence areas completed by December 17, 2004 in accordance with process requirements?* (IM.HC.HCAID.R) (detail)

192.905(a) (192.907(a); 192.911(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. IM High Consequence Areas - Potential Impact Radius (detail) *Is the process for defining and applying potential impact radius (PIR) for establishment of high consequence areas consistent with the requirements of §192.903?* (IM.HC.HCAPIR.P) (detail)

192.903 (192.905(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. IM High Consequence Areas - Potential Impact Radius (detail) *Do records indicate use of potential impact radius (PIR) for establishment of high consequence areas consistent with requirements of §192.903?* (IM.HC.HCAPIR.R) (detail)

192.903 (192.905(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

5. IM High Consequence Areas - Identified Sites (detail) *Does the process for identification of identified sites include the sources listed in §192.905(b) for those buildings or outside areas meeting the criteria specified by §192.903 and require the source(s) of information selected to be documented? (IM.HC.HCASITES.P) (detail)*

192.903 (192.905(b))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

6. IM High Consequence Areas - Identified Sites (detail) *Do records indicate identification of identified sites being performed as required? (IM.HC.HCASITES.R) (detail)*

192.903 (192.905(b))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

7. IM High Consequence Areas - Identification Method 1 (Class Locations) (detail) *Is the integrity management process adequate for application of §192.903 High Consequence Area definition (1) for identification of HCAs? (IM.HC.HCAMETHOD1.P) (detail)*

192.903(1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

8. IM High Consequence Areas - Identification Method 1 (Class Locations) (detail) *Do records indicate adequate application of the §192.903 High Consequence Area definition (1) for the identification of HCAs? (IM.HC.HCAMETHOD1.R) (detail)*

192.903 (1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

9. IM High Consequence Areas - Identification Method 2 (Potential Impact Radius) (detail) *Is the integrity management process adequate for application of §192.903 High Consequence Area definition (2) for identification of HCAs? (IM.HC.HCAMETHOD2.P) (detail)*

192.903(2)(i) (192.903(2)(ii))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

10. IM High Consequence Areas - Identification Method 2 (Potential Impact Radius) (detail) *Do records indicate adequate application of §192.903 High Consequence Area definition (2) for identification of HCAs? (IM.HC.HCAMETHOD2.R) (detail)*

192.903(2)(i) (192.903(2)(ii))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

11. IM High Consequence Areas - Newly Identified HCAs (detail) *Does the process include a requirement for evaluation of new information that may show that a pipeline segment impacts a high consequence area? (IM.HC.HCANEW.P) (detail)*

192.905(c)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

12. IM High Consequence Areas - Newly Identified HCAs (detail) *Are evaluations of new information that may show that a pipeline segment impacts a high consequence area being performed as required?* (IM.HC.HCANEW.R) (detail)

192.905(c)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

Integrity Management - Preventive and Mitigative Measures

1. P&M Measures - General Requirements (detail) *Does the process include requirements to identify additional measures to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in a high consequence area?* (IM.PM.PMMGENERAL.P) (detail)

192.935(a)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

2. P&M Measures - General Requirements (detail) *Have additional measures been identified and implemented (or scheduled) beyond those already required by Part 192 to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA?* (IM.PM.PMMGENERAL.R) (detail)

192.935(a)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

3. P&M Measures - Third Party Damage (detail) *Does the preventive and mitigative process include requirements that threats due to third party damage be addressed? (Note: A subset of these enhancements are required for pipelines operating below 30% SMYS - See IM.PM.PMMTPDSMYS.P) (IM.PM.PMMTPD.P) (detail)*

192.917(e)(1) (192.935(b)(1); 192.935(e))	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

4. P&M Measures - Third Party Damage (detail) *Has P&MM been implemented regarding threats due to third party damage as required by the process?* (IM.PM.PMMTPD.R) (detail)

192.917(e)(1) (192.935(b)(1); 192.935(e))	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

5. P&M Measures - Third Party Damage (Special Cases) (detail) *Does the process include requirements for preventive and mitigative requirements for pipelines operating below 30% SMYS?* (IM.PM.PMMTPDSMYS.P) (detail)

192.935(d) (192.935(e); 192 Table E.II.1)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

6. P&M Measures - Third Party Damage (Special Cases) (detail) *Are preventive and mitigative requirements for pipelines operating below 30% SMYS being performed as required?* (IM.PM.PMMTPDSMYS.R) (detail)

192.935(d) (192.935(e); 192 Table E.II.1)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

7. P&M Measures - Outside Force Damage (detail) *Does the process adequately address significant threats due to outside force (e.g., earth movement, floods, unstable suspension bridge)?* (IM.PM.PMMOF.P) (detail)

192.935(b)(2)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

8. P&M Measures - Outside Force Damage (detail) *Are significant threats due to outside force (e.g., earth movement, floods, unstable suspension bridge) being adequately addressed?* (IM.PM.PMMOF.R) (detail)

192.935(b)(2)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

9. P&M Measures - Corrosion (detail) *Does the process adequately account for taking required actions to address significant corrosion threats?* (IM.PM.PMMCORR.P) (detail)

192.917(e)(5)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

10. P&M Measures - Corrosion (detail) *Are required actions being taken to address significant corrosion threats as required?* (IM.PM.PMMCORR.R) (detail)

192.917(e)(5)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

11. P&M Measures - Automatic Shut-Off Valves or Remote Control Valves (detail) *Does the process include requirements to decide if automatic shut-off valves or remote control valves represent an efficient means of adding protection to potentially affected high consequence areas?* (IM.PM.PMMASORCV.P) (detail)

192.935(c)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

12. P&M Measures - Automatic Shut-Off Valves or Remote Control Valves (detail) *Has an adequate determination been made to determine if automatic shut-off valves or remote control valves represent an efficient means of adding protection to potentially affected high consequence areas?* (IM.PM.PMMASORCV.R) (detail)

192.935(c)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

Integrity Management - Quality Assurance

1. Quality Assurance (detail) *Are quality assurance processes in place for risk management applications that meet the requirements of ASME B31.8S-2004, Section 12?* (IM.QA.QARM.P) (detail)

192.911(l)	Sat +	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

2. Quality Assurance (detail) *Do records indicate the quality assurance processes for risk management applications meet the requirements of ASME B31.8S-2004, Section 12 and are the processes being performed as required? (IM.QA.QARM.R) (detail)*

192.911(l)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

3. Personnel Qualification and Training Requirements (detail) *Does the process include requirements to assure personnel involved in the integrity management program are qualified for their assigned responsibilities? (IM.QA.IMPERSONNEL.P) (detail)*

192.911(l) (192.915; ASME B31.8S-2004, Section 12(b)(4))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

4. Personnel Qualification and Training Requirements (detail) *Are personnel involved in the integrity management program qualified for their assigned responsibilities? (IM.QA.IMPERSONNEL.R) (detail)*

192.911(l) (192.915(a); 192.915(b); 192.915(c); ASME B31.8S-2004, Section 12(b)(4))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

5. Invoking Non-Mandatory Statements in Standards (detail) *Does the process include requirements that non-mandatory requirements (e.g., "should" statements) from industry standards or other documents invoked by Subpart O (e.g., ASME B31.8S-2004 and NACE RP0502-2002) be addressed by an appropriate approach? (IM.QA.IMNONMANDT.P) (detail)*

192.7(a)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

6. Management of Change (detail) *Are the processes for management of changes to the IMP and management of change of associated procedures and processes adequate? (IM.QA.IMMOC.P) (detail)*

192.909(a) (192.909(b); 192.911(k))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

7. Management of Change (detail) *Are changes to the IMP and management of changes to IMP-related processes being performed as required? (IM.QA.IMMOC.R) (detail)*

192.909(a) (192.909(b); 192.911(k))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

8. Performance Measures (detail) *Does the process include requirements for measuring and reporting integrity management program effectiveness? (IM.QA.IMPERFMEAS.P) (detail)*

192.945(a) (192.913(b); 192.951; ASME B31.8S-2004 Section 12(b)(5))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

9. Performance Measures (detail) *Has the IMP effectiveness been adequately measured and reported, as applicable, to PHMSA? (IM.QA.IMPERFMEAS.R) (detail)*

192.945(a) (192.913(b); 192.951; ASME B31.8S-2004 Section 12(b)(5))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

10. Record Keeping (detail) *Is the process adequate to assure that required records are maintained for the useful life of the pipeline? (IM.QA.RECORDS.P) (detail)*

192.947(a) (192.947(b); 192.947(c); 192.947(d); 192.947(e); 192.947(f); 192.947(g); 192.947(h); 192.947(i); 192.911(n); ASME B31.8S-2004 Sections 12.1, 12.2(b)(1))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

11. Record Keeping (detail) *Are required records being maintained for the useful life of the pipeline? (IM.QA.RECORDS.R) (detail)*

192.947(a) (192.947(b); 192.947(c); 192.947(d); 192.947(e); 192.947(f); 192.947(g); 192.947(h); 192.947(i); ASME B31.8S-2004 Sections 12.1, 12.2(b)(1))

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

Integrity Management - Risk Analysis

1. Threat Identification (detail) *Does the process include requirements to identify and evaluate all potential threats to each covered pipeline segment? (IM.RA.THREATID.P) (detail)*

192.917(a) (192.917(e); 192.913(b)(1); ASME B31.8S-2004, Section 2.2 and Section 5.10)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

2. Threat Identification (detail) *Do records indicate that all potential threats to each covered pipeline segment have been identified and evaluated? (IM.RA.THREATID.R) (detail)*

192.917(a) (192.917(e); 192.913(b)(1); ASME B31.8S-2004, Section 2.2 and Section 5.10)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

3. Data Gathering (detail) *Does the process include requirements to gather existing data and information on the entire pipeline that could be relevant to covered segments? (IM.RA.RADATA.P) (detail)*

192.917(b) (192.917(e)(1); 192.911(k); ASME B31.8S-2004, Sections 4, 5.7(e), 11(a), 11(d), Appendix A)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

4. Data Gathering (detail) *Is existing data and information on the entire pipeline that could be relevant to covered segments being adequately gathered?* (IM.RA.RADATA.R) (detail)

192.917(b) (192.917(e)(1); 192.911(k); ASME B31.8S-2004, Sections 4, 5.7(e), 11(a), 11(d), Appendix A)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

5. Data Integration (detail) *Does the process include requirements to integrate existing data and information on the entire pipeline that could be relevant to covered segments?* (IM.RA.RAINTEGRATE.P) (detail)

192.917(b) (192.917(e)(1); 192.911(k); ASME B31.8S-2004, Sections 4, 5.7(e), 11(a), 11(d), Appendix A)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

6. Data Integration (detail) *Is existing data and information on the entire pipeline that could be relevant to covered segments being adequately integrated?* (IM.RA.RAINTEGRATE.R) (detail)

192.917(b) (192.917(e)(1); 192.911(k); ASME B31.8S-2004, Sections 4, 5.7(e), 11(a), 11(d), Appendix A)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

7. Risk Analysis - Methodology (detail) *Does the process include requirements for a risk assessment that follows ASME B31.8S-2004, Section 5, and that considers the identified threats for each covered segment?* (IM.RA.RAMETHOD.P) (detail)

192.917(c) (192.917(d); ASME B31.8S-2004, Section 5.3, Section 5.4, Section 5.5, Section 5.12)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

8. Risk Analysis - Determination of Risk (detail) *Does the process include requirements that factors that could affect the likelihood of a release, and factors that could affect the consequences of potential releases, be accounted for and combined in an appropriate manner to produce a risk value for each pipeline segment?* (IM.RA.RAFACTORS.P) (detail)

192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

9. Risk Analysis - Determination of Risk (detail) *Is risk analysis data combined in an appropriate manner to produce a risk value for each pipeline segment?* (IM.RA.RAFACTORS.R) (detail)

192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

10. Risk Analysis - Validation and Updates (detail) *Does the process provide for revisions to the risk assessment if new information is obtained or conditions change on the pipeline segments?* (IM.RA.RAMOC.P) (detail)

192.917(c) (ASME B31.8S-2004, Section 5.4, 5.7, 5.11, 5.12)

Sat +	Sat	Concern	Unsat	NA	NC
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Notes

PHMSA Integrity Management Question Set (IA Equivalent)
GAS TRANSMISSION INTEGRITY MANAGEMENT INSPECTION PROTOCOLS

11. Risk Analysis - Validation and Updates (detail) *Was the risk assessment revised as necessary as new information is obtained or conditions change on the pipeline segments?* (IM.RA.RAMOC.R) (detail)

192.917(c) (ASME B31.8S-2004, Section 5.4, 5.7, 5.11, 5.12)

Sat+	Sat	Concern	Unsat	NA	NC
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Notes

Acceptable Use: Inspection documentation, including completed protocol forms, summary reports, executive summary reports, and enforcement documentation are for internal use only by federal or state pipeline safety regulators. Some inspection documentation may contain information which the operator considers to be confidential. In addition, supplemental inspection guidance and related documents in the file library are also for internal use only by federal or state pipeline safety regulators (with the exception of documents published in the federal register, such as advisory bulletins). Do not distribute or otherwise disclose such material outside of the state or federal pipeline regulatory organizations. Requests for such information from other government organizations (including, but not limited to, NTSB, GAO, IG, or Congressional Staff) should be referred to PHMSA Headquarters Management.