Talking points/high level factors for CISS on Automated Checkout if members wants to continue working on this issue and wants CISS to provide guidance to industry on Automated Checkout.

1. Data exchange shall include NSI megawatt for agreed upon time interval, direction of power flow and three part communication recording method.
* These would be the things that you must need to be able to successfully checkout with your neighboring BA
1. Data exchanges may be additionally expanded for before-the-fact & after-the-fact daily checkouts in addition to Real-Time Checkouts.

- These would be the things that you may add to exchange additional data related to NSI

1. Two parties may need to establish new failure procedures and internal alarms when automating NSI.

- These would be the things that participating neighbors might want to consider in their failure scenarios.

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**Language – Based on above talking points & 7/28/2020 CISS discussions, below is pass at standard language proposal.**

APPENDIX – X: Guidelines for Electronic NSI Checkout Systems

This optional appendix describes a standard set of guidelines for any BA that chooses to automate NSI checkout with an adjacent BA using an electronic data exchange service with their counterpart.

Automation of the NSI checkout does not relieve the BA of any NERC requirements associated with the checkout process.

Adjacent BAs should ensure their up-to-date NSI data has been received by the counterparty.

Adjacent BAs should agree upon alarm mechanisms that would trigger backup procedures for manual NSI checkouts.

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Potential functionality to efficiently resolve discrepancies may be accomplished through BAs sharing e-Tags that contribute to NSI with its adjacent BA as a part of NSI automation for the purposes of discrepancy troubleshooting and verification. This exchange may also include daily NSI totals for before-the-fact (BTF) or after-the-fact (ATF) checkout.

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**NERC reference language to help in discussions during CISS**

**NERC INT-009-2.1 Requirement and Measure**

**R1.** Each Balancing Authority shall agree with each of its Adjacent Balancing Authorities that its Composite Confirmed Interchange with that Adjacent Balancing Authority, at mutually agreed upon time intervals, excluding Dynamic Schedules and Pseudo-Ties and including any Interchange per INT-010-2 not yet captured in the Composite Confirmed Interchange, is:

**1.1.** Identical in magnitude to that of the Adjacent Balancing Authority, and

**1.2.** Opposite in sign or direction to that of the Adjacent Balancing Authority.

**M1.** The Balancing Authority shall have evidence (such as dated logs, voice recordings, electronic records, or other evidence) that its Composite Confirmed Interchange, excluding Dynamic Schedules and Pseudo-Ties and including any Interchange as directed per INT-010-2 not yet captured in the Composite Confirmed Interchange, was agreed to by each Adjacent Balancing Authority, identical in magnitude to those of each Adjacent Balancing Authority, and opposite in sign to that of each Adjacent Balancing Authority. (R1)

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