INTEGRATING QA MONITORING WITHIN A PLANT SYSTEM

Integration of QA monitoring – why do we need it?

QA monitoring exists in Meat Messaging to verify that the cartons physically loaded into a shipment are the same cartons that are recorded in the Meat Messaging consignment message. Its primary purpose is to provide assurance over product identity, traceability, and load-out accuracy.

Specifically, QA monitoring:

- **Scans carton barcodes** and compares them against the carton barcodes listed in the Meat Messaging shipment record.
- Identifies **missing, incorrect, or extra cartons** before or after a shipment message is uploaded.
- Produces a **pass/fail report** showing mismatches and cartons requiring corrective action.
- Demonstrates that the establishment has an adequate level of **control over consignment preparation and load-out processes**.
- Supports regulatory and customer requirements for **authenticity, verification, and traceability** of exported meat products.

Integration of QA monitoring within a processing plant system, including verification-related endpoints.

There are a number of verification-related endpoints used for QA monitoring activities or for recording the details (including carton barcodes) of the verification of a received product.

- **MessageSSCC** – the identifier of the message (shipment) for which the verification is to be conducted.
- **SessionType** – "QA" for a QA monitoring session, "VALIDATION" for a shipment verification session, or "VALIDATION" for an import inspection session.
- **MMUID** – the Meat Messaging User ID of the person conducting the session.
- **PreShipment** – this is either 'true' or 'false' and is used for pre- or post-shipment message uploads for QA monitoring.

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The process flow:

1. In the plant system the plant QA instigates a QA monitoring session with a suitable reference (e.g. the job number)
2. The plant system calls the “post /v1/message/verification/create” end point to create a verification session (e.g. QA monitoring) and is returned a session ID *which is represented as a GUID (Globally Unique Identifier)*. The plant system stores the session ID as the reference for the verification session. The **Verification Create endpoint** is available here: https://api.meatmessaging.info/swagger/ui/index#!/Message/Message_CreateMessageVerification
3. The plant QA, using a plant-system-scanner application, scans the full set of barcodes for the nominated job number. The scanned data is held against the suitable reference (e.g. the job number).
4. The plant QA can instigate the plant system to call the “get /v1/message/verification/list” end point to return a list of verification sessions (e.g. QA monitoring) for reference. The **Verification List endpoint** is available here: https://api.meatmessaging.info/swagger/ui/index#!/Message/Message_GetMessageVerificationList
5. The plant system calls the “post /v1/message/verification/barcodes/add” end point using the session’s ID and all the individual barcodes. The **Verification Barcodes Add endpoint** is available here: https://api.meatmessaging.info/swagger/ui/index#!/Message/Message_AddMessageVerificationBarcodes
6. Once the load has been shipped and the eMTC, export or domestic message has been uploaded to Meat Messaging, the plant QA can instigate the plant system to call the “post /v1/message/verification/update” end point to add the message SSCC to the verification session (e.g. QA monitoring). The **Verification Update endpoint** is available here: https://api.meatmessaging.info/swagger/ui/index#!/Message/Message_UpdateMessageVerification
7. The plant QA can instigate the plant system to call the “get /v1/message/verification” end point to show the details of the verification session (e.g. QA monitoring). The **Verification endpoint** is available here: https://api.meatmessaging.info/swagger/ui/index#!/Message/Message_GetMessageVerification
8. If all the details of verification session (e.g. QA monitoring) are correct the plant QA can instigate the plant system to call the “post /v1/message/verification/finalise” end point to finalise the verification session (e.g. QA monitoring). The **Verification Finalise endpoint** is available here: https://api.meatmessaging.info/swagger/ui/index#!/Message/Message_FinaliseMessageVerification

9. The plant QA can instigate the plant system to call the https://reports.meatmessaging.org/qareport.aspx?reporttype=1&session=[session ID] to open a PDF of the QA monitoring session.

The swagger for details on the end points can be found here: https://api.meatmessaging.info/swagger/ui/index#/

The details of the end point parameters in this document can also be found on the API information page here: https://meatmessaging.org/json_api_format

If you have any issues or questions, please contact Meat Messaging support:

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