APPENDIX : DESCRIPTION OF THE GENERIX COLLABORATIVE REPLENISHMENT SERVICE (GCR)

1 - General functional definition

Generix Collaborative Replenishment is a SaaS collaborative supply management service offered by GENERIX. The service supports various collaborative supply models such as: VMI, CMI, pooling, massification or consolidated warehouses, management of advanced and consigned stocks, and numerous transport processes such as: direct-to-consumer delivery, point-of-sale delivery, cross-docking, and mutualization with multi-pick and multi-drop.

Its functional coverage includes the management of users and their activity perimeter, the management of reference systems and cooperation parameters, the support of EDI interfaces and with the Customer's management software, the calculation of sales forecasts according to several models, the calculation of consumption requirements under multiple constraints, the generation of replenishment proposals, the management of promotions, the optimization of transport and truck loading, the human workflow with the suppliers and the piloting by indicator. The solution is regularly enriched with new value-added functions integrated into the solution or proposed in the form of additional processes.

2 - Functional scope of Generix Collaborative Replenishment

The services covered by the Contract include the functionalities below, except those designated with the "optional" verbatim.
To benefit from the functions mentioned with the "optional" verbatim, the Customer may subscribe to the corresponding subscription extensions by amendment to the Contract.

1. **Access via HTTP Client** (subject to compliance with the list of prerequisites for browser versions in point 24 of this Appendix) and management of "**responsive web design**" from multiple devices (in particular smartphones, tablets).

2. **Management of authorisations (login, password), user profiles and business permissions:**
   a. Access to each environment via a login / password that respects security and data protection rules
   b. Management of user profiles with rights attributable to users
   c. Management of business activity perimeters according to users
   d. Support for SSO-SAML, LDAP and AD authentication protocols

3. **Adaptation of the environment according to user preferences:**
   a. Screens/displays, shortcuts, view filters, locations (such as time zone, date and number management), languages, bookmarks, filtering metrics, customizable grids, KPI types)
   b. Automatic updates, configuration assistance, business alerts
   c. Advanced management of calendars by region, such as public holidays and school breaks

4. **Management of repositories via the user interface or via file interface, mass loading :**
   a. Repositories: plants, customers/brands, warehouses/ship-to, products, references, active references (SKU/ship to pair), substitute products, stock reservation, replenishment group, calendar,
   b. Consideration of product hierarchies according to the customer, consistency management
   c. Forecasting models used (internal or external to the solution)
   d. Automated creation and settings: references, links between references and groups and models, transformation of movements into history, mass modifications

5. **Handle of cooperation parameters defined according to internal & external constraints:**
   a. Setting of substitution rules, minimum and safety stock levels, delivery frequency, supply lead times, minimum orders, replenishment units, truck type and filling rules

6. Solicitation of simulation engines, calculation of replenishment needs:

a. Integration of INVRPT Customer messages, aggregation of historical data
b. Calculation of a consumption projection or forecast
c. Use of a forecast calculated by the Client outside the solution
d. Use of weather data to constrain the calculations **(optional)**. Requires subscription to a third-party historical data supply service
e. Multiple requirement calculation modes: one for one, fixed quantities with variable dates, variable quantities with fixed dates, mixed,
f. Calculating replenishment requirements under multiple constraints: storage and receiving capacity, available stock levels, mini-maximum stock per customer, safety stocks, calendar, transport capacity, multi-trucking, lead times, frequency of supply, scales (MOQ), substitutions, promotional quantities to push
g. Use according to the type of collaboration and process including VMI, CMI, pooling **(optional)**, concerted VMI **(optional)**, multi-pick (pick-up round), multi-drop (delivery round), cross-docking

7. Execution of human workflows:

a. Review of expectations
b. Validation of procurement recommendations
c. Breakdown of orders
d. Management of commercial operations
e. Repository administration, activation, inactivation
f. Optimizations on management of pushed flows: creation of reservations, validation of proposals, manual transfer of flows

8. Automation for better productivity

a. Calculation and registration of forecasted stocks
b. Calculation and registration of standard stocks and promotional stocks
c. Calculation and recording of back of shelf and capping stocks (standard, promotional, returnable, combined)
d. Automatic assignment of shortage reasons with possibility of manual adjustment
e. Creation of groups per warehouse
f. Duplication of certain operations (substitutions, calendars, stock reservation)

9. Optimised management of push flows, promotion, pre-orders:

a. Administration of promotion indicators, use of multiplier coefficients for forecasts and seasonality, parameterization of reference substitutions, pre-orders, possibility of stock reservation, analysis and de-pollution of historical data and promotional performance
b. Optimizations on management of advanced flows: creation of reservations, validation of proposals, manual transfer of flows
c. Taking into account promotions for optimal truck filling

10 "Available to promise", taking into account the seller's stock (optional)

a. Integration of the customer's available stock via interface
b. Visualisation of stock by product and loading point
c. Taking stock into account when calculating the supply proposal
d. Possibility of manual modifications by the user
e. Visualisation of stocks and alerts at recommendation line level

11. Booking of delivery slots and locations (optional)

a. Integration of the distributor's capacity in the warehouse yard (via an interface)
b. Taking into account the possible delivery slots and locations in the distributor's warehouse and taking into account the number of trucks that can be accommodated per door
c. Management of available and remaining door quotas
d. Visualisation of alerts and possibility to manually add slots

12. Just-in-time delivery (optional)

a. Integration of multi-day stock movements from certain brands (e.g. Benelux) that can correspond to a shop stock

b. Calculation of consumption forecasts on a very short term basis
c. Calculation and proposal of multiple orders during the day
d. Delivery, multiple rotations in the day with delivery at the point of sale

13. Best before date management and improved freshness (optional)

a. Taking into account the expiry dates and best freshness of the batches produced in stock at the distributor's
b. Display of stocks according to dates
c. Integration of the freshness quality of stocks in the calculations and supply recommendations
d. Distinction between use-by date and best-before date
e. Integration of additional data (dates) in the interface for the integration of stock movements (INVRPT and or SLSRPT) from the distributor

14. Product quota management (optional)

a. Reservation management, product quotas, for certain customers to be taken into account during shortages and arbitrage needs
b. Taking these quotas into account in the calculation and recommendation engines
c. Management at the product and warehouse level, by date
d. Visualisation of allocations and alerts at recommendation line level
e. Possibility of manual modifications/creations by the user
f. Interface to integrate data from the vendor

15. Management of pooling mode with or without a logistics provider (optional)

a. Management of the pooling process between several vendors and with a 3PL type manager, management of the actors with their rights, data partitioning
b. Consideration of pooling in the existing KPIs in the solution
d. Compatibility between the VMI and pooling models for a given warehouse

16. Optimization of truck loading

a. Consideration of loading parameters: number of pallets, sizes, volume, value, with the objective of a full truck
b. Management of a pallet scale in points by the Client
c. Prioritization of products with the lowest coverage
d. Calculation of recommendations according to truck capacity
e. Management of negative and additional optimizations
f. Consideration of promotional placement campaigns
g. Possibility to take into account a pre- and post-recommendation optimization to increase the management of minimum cover and high rotations
h. Optimization by saturation of the recommendation lines, consisting in favouring a full pallet load and limiting the product diversity in the truck
i. Calculation of recommendations according to truck capacity

17. Management and integration of EDI messages and data from management systems (WMS, ERP in particular):

a. Translation of EDI formats and ERP Client application formats (optional)
b. Integration of EDI messages: stock movements/warehouse exits, shop sales, order proposals (back of shelf & promotion), ...
c. Integration of data from the Customer's management applications: Master data, stock levels, order validation, etc.
d. Management of VMI customer order numbering range
e. Monitoring of EDI messages integrated in the solution
f. Management of interfaces according to additional processes (available stock, product allocation, truck allocation, available delivery slots, etc.)

18. Management of dashboards and performance indicators

19. Interfaces with the EDI systems and management software of the Client distributor

a. Support and supervision of EDI exchange protocols including EDIINT AS2 and EDI networks

b. Support and supervision of interface protocols with ERP clients including REST API, Message queuing, SFTP file mode, socket, database requests, mail

20. Data management, purging and storage

a. Data extraction and conversion to XLSX, CSV, XML formats
b. Storage for 12 months of historical consumption/stock data integrated in the solution, possible extensions (optional)
c. Storage for 3 months of EDI messages (INVRPT, ORDERS, DESADV), possible extensions (optional)
d. Extraction of consumption and usage data for service billing

21. Pre-requisites

a. The browsers supported are Chrome, Firefox and Edge
b. The Customer undertakes to use a browser that is up to date with the security updates provided by the browser editor. Under no circumstances shall the Customer use a browser declared obsolete by the publisher.

22. Access to the GCR e-learning platform

The e-learning platform is made up of training modules specially designed to optimize the use and configuration of the GCR solution.

- Training content:

Educational content is available in French and English.

- Login credentials:

A URL address, a login and a password will be created and provided by Generix. These identifiers will be valid for one country (i.e. one e-learning subscription per country). They will be used to connect to the e-learning platform and access educational content.

- Number of users:

The number of users from subscribing countries who can connect to the platform is unlimited.

- Support:

If you have any problems connecting to the platform, please write in French or English to the following address: learninglab@generixgroup.com.