PARX MINMAX REPLENISHMENT FUNCTIONAL DESIGN & USER GUIDE LANDMARK GROUP

PLANNING ALLOCATION, REPLENISHMENT & EXECUTION

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1.1. Document Control

Change Record

Date	Author	Version	Change Reference
4-Oct-17	LMIT	V1.0	Initial Draft
8-Nov-17	LMIT	V2.1	Included recent changes.
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23-Apr-18	LMIT	V2.6	Included Functional Design

Reviewers

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1.2. Introduction

This document describes the functional process of LMG MinMax Store Replenishment system (PARX) which is an integrated system for Planning, Allocation, Replenishment and eXecute the user approved replenishment definition and min-max parameters.

The application is integrated with Planning applications(AP), analytical system(Netezza) and merchandising system(RMS) to provide end to end solution for driving Store Min-Max Replenishment for Fashion and Basic Items.

The application can be used for,

- 1) Define /Review/Approve Master Data for Supply chain processes.
- 2) Define/review/Approve Replenishment Definition Parameters.
- 3) Define/Review/Approve Replenishment/Logistics Parameters.
- 4) Review actual Item/Option performance at Trading Stores.
- 5) Review Planned attributes and RMS Min/Max Setup.
- 6) Review/Plan item performance for specific time and approve Min/Max.
- 7) Auto- approve Min-Max parameters post launch based on sytem calculated Exit strategy.
- 8) Review Aut-Cut Off eligible items-stores and extend MinMax if required.
- 9) Auto Cut Off MinMax based on Scarcity rules and thesholds defined.
- 10) Review Review Time and Lead Time for MinMax calculations and Warehouse deliveries.
- 11) Handle Exceptions and review the currently active RMS MinMax on the system

1.3. Scope

This document describes the process flow and functional design of the system with end to end user processes supported by relevant screenshots and explanations wherever required.

1.4 High Level Process

Replenishment parameters set up process using LMGSCP application has been broadly divided into 3 step processes - Master Data SetUp, Replenishment Definition and Approve Min-Max.

As part of Pre-season process, Concept Planners can define Master Data like MDQ (Presentation Stock), Shelf Capacity, at Option or SKU level for planned launch stores and approve Min Max definition to calculate the min/max. During Launch on In-season, inventory controllers can review the Min/Max, item-performance and manage paremeters on need basis.



Master Data Set Up/Review/Approval: Pre-Season review starts with defining MDQ/Shelf-Capacity/Eligibility-Exceptions at Option/Store level and reviewing the SKU level parameters at ranged stores. MDQ/Shelf-Capacity can be defined in the following ways.

- 1) Upload MDQ/Shelf-Capacity at Option/Store level thorugh Excel and review/change SKU level distribution based on pre-calculated size profiles in application.
- 2) Plan MDQ/Shelf-Capacity at Option/Store level in the system and review/change SKU level distribution based on pre-calculated size profiles in application.
- 3) Plan MDQ/Shelf-Capacity at SKU/Store level and Approve MDQ for Min/Max calculations.

Planned/Calculated MDQ will be approved by Users to be used in next processes. In addition to this, users will be also defining the "**Eligibility Exceptions**" at Option/Store level to set exceptions for eligible Stores. This will ensure that system recommendations are not executed for defined exceptions even if they are "**Eligible as per Rules**".

Min/Max Variables SetUp/Review/Approval: This process will define the Min/Max formula, Review/Manage LeadTime/ReviewTime and setup to include Safety Stock in calculations at higher level.

- Store Replenishment Variables (Min/Max definition Setup) will be at available for setup at Season/Class/StoreCluster/ProductCluster Level and will be managed through Manager approval process.
- 2) Store Review Time/Lead Time will be available for setup at Store level and will be managed thorugh Manager approval process.
- 3) **Threshold variables setup** will be required for driving auto cut off on MinMax Replenishment which are active in RMS. **DC Scarcity Threshold** and **Tolerance Level** will drive the ROS Cut Off algorithm defined in Netezza to identify stores/items to be cutoff followed by deactivation from PARX.

Min/Max Approval: This will be semi-automated process in which system will suggest recommended Min/Max based on Launch and Exit Dates provided there is no User approved Min/Max for the same period/overlapped period.

In this workflow users will be able to review end to end item/store performance, replenishment related attributes and MinMax Category.





1.5 Master Data Setup

1.5.1 MDQ and Shelf Capacity

Pre-season master data setup is a key step to start replenishment process as output of this step will be used in replenishment calculations. Users will be able to plan MDQ (presentation stock) and Shelf Capacity at store level which are key variables in calculations of Min Max.

MDQ – Minimum Display Quantity is the planner defined minimum quantity to be available in Store at Option/Store elevel.

Shelf Capacity – Maximum Capacity of an Option/Item defined by Planners for a store that can be displayed at Shelves.

MDQ and Shelf Capacity can be managed by Users in the following ways,

- 1) Upload MDQ/Shelf-Capacity at Option/Store level through Excel and review/change SKU level distribution based on pre-calculated size profiles in application.
- 2) Plan MDQ/Shelf-Capacity at Option/Store level in the system and review/change SKU level distribution based on pre-calculated size profiles in application.
- 3) Plan MDQ/Shelf-Capacity at SKU/Store level and Approve MDQ for Min/Max calculations.

In April 18 release for PARX, approved MDQ of 0 or higher values will be mandatory to calculate Min and Max for eligible item-stores. This implies that <u>MDQ approval will be a "MANDATORY" step</u> to enable MinMax calculations from PARX. **If approved MDQ at SKU/Store level is >= 0**, recommended Min Max will be calculated as per definitions.

Note: Users are expected to share MDQ and Shelf Capacity at Store/Option level in PARX uploadable format with the support team with name as **MDQ_<dept>_<terr>_<date>.xls** and **ShelfCapacity_<dept>_<ter>_<date>.xls}**

A sample file format for MDQ and Shelf Capacity Upload are as follows,

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3	01_100105041_WHITE_LIGHT	•	•	•	0	•	•	•	•	•
5	01_160165042_DLOE_DARK	°	8	0 8	0	°	0 9	0	°	°
6	01_160165044_GREV_DARK	8	8	8	8	8	8	8	8	8
7	01_160165075_BLUE_DARK	8	8	8	8	8	8	8	8	8
8	01 160165076 BLUE DARK	8	8	8	8	8	8	8	8	8
9	01 160165077 WHITE LIGHT	8	8	8	8	8	8	8	8	8
10	01_160165078_GREEN_MEDIUM	8	8	8	8	8	8	8	8	8
11	01_160165079_GREEN_MEDIUM	8	8	8	8	8	8	8	8	8
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2	01_160165040_BLUE_DARK	24	24	24	24	24	24	24	24	24	24	24
3	01_160165041_WHITE_LIGHT	24	24	24	24	24	24	24	24	24	24	24
4	01_160165042_BLUE_DARK	24	24	24	24	24	24	24	24	24	24	24
5	01_160165043_WHITE_LIGHT	24	24	24	24	24	24	24	24	24	24	24
6	01_160165044_GREY_DARK	24	24	24	24	24	24	24	24	24	24	24
7	01_160165075_BLUE_DARK	24	24	24	24	24	24	24	24	24	24	24
8	01_160165076_BLUE_DARK	24	24	24	24	24	24	24	24	24	24	24
9	01_160165077_WHITE_LIGHT	24	24	24	24	24	24	24	24	24	24	24
10	01_160165078_GREEN_MEDIUM	24	24	24	24	24	24	24	24	24	24	24



1.5.2 MDQ Status Filter

Users are expected to make use of MDQ Status Filters and select data as per requirement. Available MDQ Status are,

- 1. MDQ Approved
- 2. MDQ Not Approved
- 3. MDQ Partially Approved
- 4. MDQ Not Available

The above filters are derived based on the following definitions and data availability. The filter selected in the 2nd step, filters the Option and Store in the next step.

- ✓ MDQ Approved If Option_MDQ was uploaded and all SKU_MDQ under the Option was approved by the Users at the store level.
- ✓ MDQ Not Approved If Option_MDQ was uploaded and all SKU_MDQ under the Option are not yet approved by the Users at the store level.
- ✓ MDQ Partially Approved If Option_MDQ was uploaded and few SKU_MDQ under the Option are not yet approved by the Users at the store level.
- ✓ MDQ Not Available If Option_MDQ was not uploaded by the Users at the store level.

1.5.3 MDQ for MinMax Recommendation

From Apr 18 release for PARX, **approved MDQ of '0' or 'greater value'** will be mandatory to calculate recommended Min Max. This means that if users have not approved SKU MDQ for a store there will not be any recommended MinMax available for approval.

Note :

- ✓ To distinguish '0' and non availability, non available MDQ(SKU & Option) will be formatted to show blank values.
- ✓ Users can also opt to receive the MDQ Status Report published twice a week at Concept/Season/group level which lists all the option/stores for the season.

1.5.4 Eligibility Exceptions Review

The option/store which are not eligible for Min Max calculations as defined by Users in Excel Uploads. The features will help planners to exclude item/locations from MinMax approval as this will override the calculated "Eligibility" based on pre-allocation, sales, receipts, consolidation.

Users can defined "N" in uploads at Option/Store level as shown in the sample upload below.

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з	05_137142114_MULTICOLOR_C-SHAI	DE N	N	N					N	N	N
4	05_137286273_MULTICOLOR_C-SHAI	DE N	N	N	N	N	N	N	N	N	N
5	05_141132980_MULTICOLOR_C-SHAI	DE N	N	N	N	N	N	N	N	N	N
6	05_143266762_MULTICOLOR_C-SHAI	DE N		N					N	N	N
7	05_143266789_MULTICOLOR_C-SHAI	DE N		N					N	N	N
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9	05_150968674_MULTICOLOR_C-SHAI	DE N	N	N	N				N		N
10	05_152437287_MULTICOLOR_C-SHAI	DE N	N	N	N	N	N	N	N	N	N
11	05_153040976_MULTICOLOR_C-SHAI	DE N	N	N	N	N	N	N	N	N	N
12	05_153040977_MULTICOLOR_C-SHAI	DE N	N	N	N	N	N	N	N	N	N
13	05_153048186_MULTICOLOR_C-SHAI	DE N	N	N	N	N	N	N	N	N	N
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1.5.5 Workbook Details: Master Data Setup Workbook

User Roles: Concept Admin, Concept Supply Planner

Master data setup workbook will be used for managing MDQ and Shelf Capacity at SKU/Store level. The key inputs to this workbook will be the Planned Option/Store MDQ uploaded via Excel Sheet. The uploaded Option/Store level MDQ will be distributed to SKU level based on pre-calculated subclass/store/season level size profiles applied to the option.

Alternatively, users can also plan Option/Store level MDQ in the workbook and request for SKU distribution online.

As anotheroption. Users will be also able to enter the SKU level MDQ at required stores and approve the same.

Post review, users will be expected to approve the SKU/Store level MDQ which can be done at a higher level.

KEY MEASURES IN THE WORKBOOK

TAB: SCP OPTION PARAMETERS

Planned MDQ: Excel Upload/AP interfaced MDQ at Option/Store level. Refer to sample upload file in "Appendix" section. This is a read only measure.

Override MDQ: Users can override Option Level MDQ. This data will be defaulted to Planned MDQ if available.

Planned Shelf Capacity: Excel Upload/AP interfaced Shelf Capacity at Option/Store level. Refer to sample upload file in "Appendix" section. This is a read only measure.

Override Shelf Capacity: Users can override Option Level Shelf Capacity. This data will be defaulted to Planned Shelf Capacity if available.

TAB: SCP OPTION PARAMETERS

WORKSHEET: ELIGIBILITY EXCEPTIONS

Eligibility Exceptions: The option/store which are not eligible for Min Max calculations as defined by Users in Excel Uploads. The features will help planners to exclude item/locations from MinMax approval as this will override the calculated "Eligibility" based on pre-allocation, sales, receipts, consolidation.

TAB: SCP SKU PARAMETERS

SKU MDQ: System calculated MDQ based on subclass/store/size_range profiles which are pre-calculated in "Analytics". Refer to the "Appendix" section for more details.

Override SKU MDQ: Users can override SKU level MDQ distribution after entering Option level MDQ and requesting for MDQ at SKU level.

SKU Shelf Capacity: System calculated MDQ based on subclass/store/size_range profiles which are pre-calculated in "Analytics". Refer to the "Appendix" section for more details.

Override SKU Shelf Capacity: Users can override SKU level MDQ distribution after entering Option level MDQ and requesting for MDQ at SKU level.

Approve: "Check Box" to approve final MDQ. Users have to invoke "Planning Actions \rightarrow Approve" to approve the final MDQ values.

Approved By: user name who has last approved the MDQ

Approved Date: Last captured date when SKU MDQ was approved.



Step 1: Login to the respective local domain/Group, Click "New" and under the tab **1. Master Data SetUp**, Open **1.SCP Master data SetUp Workbook.**

Step 2: Select data as per Wizard , Season(One) \rightarrow MDQ Status(es) \rightarrow Territories->Classes/Packgroups.



Options/SKU will be included in the workbook as per Season/Class selected. Similary stores will be included based on selected Store selected.



Step 3: In **Master Data setup workbook**, there are two tabs available to Plan Option level and approve SKU level data respectively.

Navigate to **"SCP Option Parameters"** Tab and review the uploaded(via Excel) **"Planned MDQ**" at Option/Store level. The batch calculated SKU level MDQ (based on subclass/store size profiles) will be available under the **"SCP SKU Parameters"** tab. Users can navigate to this tab and review **"SKU MDQ**" and make changes in "Override SKU MDQ" if required.

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SB-12_PINK_C-SHADE	unassigned	01 MDQ Approved	12	12	0		0					
SB-11_C-COLOR_C-SHADE	unassigned	01 MDQ Approved	12	12	0		0					
QZ0054D17_GREY_C-SHADE	unassigned	01 MDQ Approved	12	12	0		0					
QZ0053D17_BEIGE_C-SHADE	unassigned	01 MDQ Approved	12	12	0		0					
QZ0052D17_PINK_C-SHADE	unassigned	01 MDQ Approved	12	12	0		0					
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If any changes are required at Option level MDQ, users can change "Override MDQ" or "Override Shelf Capacity" at Option level, execute Planning Actions -> "Request Size MDQ/Shelf Capacity" and review "SKU MDQ" and "SKU Shelf Capacity in SCP SKU Parameters tab.

(Refer to Next Page)

SCP Options Parameters SCP SKIL Parameters							
Seasons Location							
03 218 SP-B -AIS 03_21001 CP - Fujairah		\					
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			- 🎒 03_159983110 TROUSERS_SZAP-36			5	
			- 🎒 03_159983111 TROUSERS_SZAP-38			2	
			- 🛱 03_159983112 TROUSERS_SZAP-40			1	
			03_159983113 TROUSERS_SZAP-42			1	



SCP Options Parameters SCP SKU Parameters				
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- 🎒 03_159983108 TROUSERS_SZAP-32			3	3
- 🎒 03_159983109 TROUSERS_SZAP-34			3	5
- 🎒 03_159983110 TROUSERS_SZAP-36			5	4
- 🎒 03_159983111 TROUSERS_SZAP-38			2	2
- 🎒 03_159983112 TROUSERS_SZAP-40			1	2
G3_159983113 TROUSERS_SZAP-42			1	2

Step 4: In this step, once SKU MDQ/Shelf Capacity are finalised, users should approve the MDQ/Shelf Capacity (Lower/Higher) level. The system will maintain the history of Approved MDQ/Approved Shelf Capacity as shown below.

Click "Approve" Boolean \rightarrow Planning Actions (Approve Parameters). Users will be able to see approved MDQ, Approved By and Approved date in respective Measures.



Approved MDQ and Shelf Capacity will be fed to MinMax calculation Engine for computing Recommended Min Max values.



Step 5 (Optional): Navigate to the Option Parameters tab and select Window \rightarrow Review Eligibility Exceptions. In this step users can setup Option/Store as "Uneligible for Replenishment" if required. The setup is available as excel upload and Boolean setup in the workbook.

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"Eligibility exceptions" are defined by users to override the "System Eligibility" for calculating MinMax during approval process. This setting can be proactively used by the planners to avoid calculating system recommended MinMax and approving the same during masss approval.

This feature is available at Option/Store level and will be available in MinMax approval workbook for user review.



1.6 Replenishment Variables SetUp & Approval

Replenishment Variables SetUp/Approval workbook will be used to setup Min/Max definition, Review and change Lead Time/Review Time thorugh an Approval process. These workbooks will be loaded with default Min/Max formula and calculated Lead Times for user review.

1.6.1 Min Max Calculations

High level Min/Max calculation can be described as follows

Min = MDQ+ Demand Over Lead Time Max = Min + Demand Over Review Time

For system calculations, the below MinMax formula has been configured.

Min =MinDQ+ ROUND(DoLT)+<SS> Max = Min+Max(DoRT,1)

Where, MDQ = Approved MDQ Demand Over Lead Time (DoLT) = Planned Daily ROS * Approved RDC to Store Lead Time Demand Over Review Time(DoRT) = Planned Daily ROS * Approved Review Time for the Store Safety Stock <SS> = Additional but Optional Stock calculated based on Store service level to cover the variability in demand and Lead Time.

If Shelf Capacity(SC) is defined , both Min and Max will be capped by Shelf Capacity as follows,

Min=MIN (MDQ+ROUND(DoLT)+<SS>,SC-1) Max= MIN (Min+MAX(DoRT,1),SC)

- ✓ Safety stock <SS> will be present as optional variable which can be included in Min/Max calculations at Class/Season/Store Cluster level in this workbook. Though Safety stock service levels will be recommended via Analytics at SKU/Store level, Concept Planners will be able to set Service level at Class/Seas/Store Cluster Levels in this workbook.
- ✓ If Safety stock is included in calculations with no pre-defined service levels, safety stock will be calculated based on analytics interfaced recommended service levels (will be available in Min/Max Approval workbook, Refer section 1.7).
- ✓ All changes made to Min/Max definition, suggested Lead Times will go through approval process with last approval details.





1.6.1 ROS Cut Off Criteria and SetUp

This Change has been included in Jan 18 release to stop Min Max in RMS for an Option which "Qualify" for Cut Off based on RDC Stock Availability (Shortage). Based on potential to sell and expected Lifespan, stores be categorized for final cut Off.

PARX will auto-stop replenishment if an Option/Store is eligible for "Auto Cut Off". This indicator will be interfaced daily from Netezza to PARX at Option/Store level with expected Planned Exit Date. If an Option/Store is eligible for "Auto Cut Off", system will generate files to stop RMS Min-Max replenishment for the Planned Exit date.

Currently the planned exit date is defaulted to "Today".

Below parameters are required for setup to calculate the "auto cut off indicator"

DC Scarcity Threshold: what % of stock left in DC should trigger the Option level ROS Cut Off. This is compared to WH Stock or Wh Receipt. Defined at Terr/Class/ Product Cluster level, the % will trigger the MinMax Cut Off calculations for Options in the territory.

Tolerance Threshold: To what %, the actual remaining warehouse stock should be inflated to cover the need of territory stores.

- ✓ Users will be responsible to setup first MinMax for any Product Type. In case, an Item is eligible for replenishment, but Users have not approved MinMax, system will not auto approve any MinMax parameters.
- ✓ Auto Cut Off will happen only once for any Option/Store. If User decides to extend/reapprove MinMax after auto cutoff is generated and uploaded in RMS, system will not cutoff the replenishment again.Warehouse shortage and tolerance parameter should be defaulted to 0%.



1.6.2 Workbook Details: Replenishment Variables SetUp

User Roles: Concept Admin, Concept Supply Planner

KEY MEASURES IN THE WORKBOOK

TAB: SCP REPLENISHMNT VARIABLES

Min-MinDQ – Boolean Measure to include MinDQ in Min Calculations.
Min- Safety Stock – Boolean Measure to include Safety Stock in Min Calculations.
Min- Demand Over Lead Time – Boolean Measure to include Demand over Lead Time in Min Calculations.
Max- Demand Over Review Time – Boolean Measure to include Demand Over Review Time in Max Calculations.
Submit for Approval – Boolean Measure to be selected if users want to submit definition for approval.
Submitted Min Definition – Submitted Min Definition by user
Submitted Max Definition – Submitted Max Definition by User

TAB: STORE LEAD TIME & REVIEW TIME

Avg Lead Time – Calculated Lead Time from Analytics based on last 6 months shipments from RDC to Store. Override Lead Time – User Override option if there are any changes required form calculated Lead Time. Review Time – Default review Time of 1 day Override Review Time – User Override option if there are any changes required in review Time. Submit for Approval – Boolean Measure to be selected if users want to submit definition for approval.

TAB: THRESHOLD VARIABLES

DC Scarcity Threshold : what % of stock left in DC should trigger the Option level ROS Cut Off. This is compared to WH Stock/Wh Receipt. Defined at Terr/Class/ Product Cluster level, the % will trigger the MinMax Cut Off calculations for Options in the territory.

Tolerance Threshold : To what %, the actual remaining warehouse stock should be inflated to cover the need of territory stores.

Step 1: Login to the respective local domain/Group, Click "New" and under the tab 2. Store Replenishment, Open 2.SCP Replenishment Variables SetUp

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	This is a list of the work	book templates for t	his group.
	1. SCP Replenishment	Variables Setup	
	2. SCP Replenishment	Variables Approva	1
	3. SCP Replenishment	Min-Max Approval	

Step 2: Select data as per Wizard , Season(One) \rightarrow Select Territory(s) \rightarrow Select Class(es) and click "Finish".





Step 3: Navigate to SCP Replenishment Variables workbook and review the default definition of Min/Max available at Class/Store Cluster/Product Cluster/Season level.

Include Safety Stock (if required) or else submit the default definition for approval. This would be one time preseason activity however it can be changed any time during the in-season.

Store Replenishment Variable	s Store Lea	d & Review Time T	Threshold Variables						
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01_1011_31_14 Outerwear	K		M	V	MIN((MDQ+R	MIN(Min+MAX			
01_1011_31_15 Sets	K		V	V	MIN((MDQ+R)	MIN(Min+MAX			
01_1011_31_16 One-piece	K		V	V	MIN((MDQ+R)	MIN(Min+MAX			
01_1011_31_17 Accessories	K		V	V	MIN((MDQ+R)	MIN(Min+MAX			
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01_1011_32_17 Accessories	K		V	V	MIN((MDQ+RI	MIN(Min+MAX)			
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01_1011_33_14 Outerwear	V		V	V	MIN((MDQ+R	MIN(Min+MAX			

Review the definition and submit for approval.

Note- Min/Max Definition to be approved prior the Season Lauch.



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18_SP-B -AIS all [Store Cluste							
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03_3111_2465_5 Bottoms	M			V	MinDQ + DOLT	Min + DORT	M
03_3111_2465_6 Outerwear	M			V	MinDQ + DOLT	Min + DORT	M
03_3111_2465_7 Body			K		MinDQ + DOLT	Min + DORT	M
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03_3111_2466_7 Body	<u> </u>		N	<u>N</u>	MinDQ + DOLT	Min + DORT	N
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Note – As per the current process, "submit for Approval" will commit the data and will be available to Manager immediately for approval.

Step 4: Navigate to Store Lead Time and Review Time and and review calculated lead time/ Review time. Make any changes if required in Override Lead Time and submit for approval(Boolean). Execute **Planning Actions** → **Submit for Approval**.

tore Replenishment Variables Store Lead & Review Tir	ne Threshold V	ariables					
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SCP Replenishment Variables Store Lead Time & Review Time							
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SCP Replenishment Variables Store Lead Time & Review Time

	SCP Replenishment Variables S	tore Lead Time & Review Time							
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	///								

SCP Replenishment Variables Approval workbook will be accessed by Concept Supply Manager to approve the submitted definitions by Concept Supply Planner in SCP Replenishment Variables SetUp workbook.

1.6.3 Workbook Name : Replenishment Variables Approval

User Roles: Concept Admin, Concept Supply Manager

KEY MEASURES IN THE WORKBOOK

TAB: SCP REPLENISHMNT VARIABLES

Submitted Min Definition – Submitted Min Formula by SCP Planner from SCP replenishment Variables SetUp wb.
 Submitted Max Definition – Submitted Max Formula by SCP Planner SCP replenishment Variables SetUp wb.
 Approve/Reject – Boolean measure to approve/reject the submitted values . To be selected before Planning action.
 Approved Min Definition – Approved measures after Manager approval
 Approved Max definition – Approved measures after Manager Approval

TAB: STORE LEAD TIME & REVIEW TIME

Submitted Avg Lead Time- Submitted Lead Time by SCP Planner from SCP replenishment variables SetUp wb Submitted Review Time - Submitted Lead Time by SCP Planner from SCP replenishment variables SetUp wb Approve/Reject – Boolean measure to approve/reject the submitted values . To be selected before Planning action. Approved Lead Time – Approved measures after Manager approval Approved Review Time – Approved measures after Manager Approval

Step 1: Login to the respective local domain/Group, Click "New" and under the tab 2. Store Replenishment, Open 2.SCP Replenishment Variables Approval.





Step 2: Select data as per Wizard , Season(One) → Select Territory(s) → Select Class(es) and click "Finish"

2. SCP Replenishment Variables Approval Wizard			
Select One Season	Selected Season Position Query Definitions		
	•03_219_SP-B -AIS		
03_929_SP-X -W16	2. SCP Replenishment Variables Approval Wizard		
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	SP - Kuwait	03_2 2. SCP Replenishment Variables Approval Wizard	
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		Synchronize hierarchies	
		Cancel	k Next> Finish Help

Step 3: Navigate to tab "**SCP Replenishment Parameters Approval**" and review the submitted Min/Max definition for Approval.

To approve the submitted values, select Planning Actions -> Approve Submitted Replen Variables

	Seasons Store Cluster								
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Ш	- 🎒 03_3111_2465_4 Denim Bottoms	MinDQ + DOLT	Min + DORT	V					
Ш	- 🎒 03_3111_2465_5 Bottoms	MinDQ + DOLT	Min + DORT	Z					
Ш	- 🎒 03_3111_2465_6 Outerwear	MinDQ + DOLT	Min + DORT	Z					
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Ш	- 🎒 03_3111_2466_2 Casual Shirts	MinDQ + DOLT	Min + DORT	Z					
Ш	- 🎒 03_3111_2466_3 Tailored	MinDQ + DOLT	Min + DORT	M					
Ш	- 🎒 03_3111_2466_4 Denim Bottoms	MinDQ + DOLT	Min + DORT	M					
Ш	- 🎒 03_3111_2466_5 Bottoms	MinDQ + DOLT	Min + DORT	M					
Ш	- 🎒 03_3111_2466_6 Outerwear	MinDQ + DOLT	Min + DORT	Z					
Ш	- 🎒 03_3111_2466_7 Body	MinDQ + DOLT	Min + DORT	Z					
I	- 🎒 03_3111_2467_1 Tshirts	MinDQ + DOLT	Min + DORT	M					
Ш	L 🎒 03_3111_2467_7 Body	MinDQ + DOLT	Min + DORT	K					





SCP Replenishment Parameters Approval	Store Lead Time & Revie	ew Time Approval						
SCP Replenishment Parameters Ap	proval		V			x		
Seasons Store Cluster Measure								
	Submitted Min Definition	Submitted Max Definition	Approve/Reject	Approved Min Definition	Approved Max Definition			
🗁 all [Product]				MinDQ + DOLT	Min + DORT			
- 🎒 03_3111_2465_1 Tshirts			-	MinDQ + DOLT	Min + DORT			
			× N	MinDQ + DOLT	Min + DORT			
Custom Menu Response		<u> </u>	MinDQ + DOLT	Min + DORT				
		i i	MinDQ + DOLT	Min + DORT				
			1	MinDQ + DOLT	Min + DORT			
Selected Store/Class R	eplenishment Variables	Approved Successfully	i i	MinDQ + DOLT	Min + DORT			
			ji i	MinDQ + DOLT	Min + DORT			
			i i	MinDQ + DOLT	Min + DORT			
				MinDQ + DOLT	Min + DORT			
		OK		MinDQ + DOLT	Min + DORT			
				MinDQ + DOLT	Min + DORT			
03_3111_2400_0 Outerwear	1			MinDQ + DOLT	Min + DORT			
- 🎒 03_3111_2466_7 Body				MinDQ + DOLT	Min + DORT			
- 🎒 03_3111_2467_1 Tshirts				MinDQ + DOLT	Min + DORT			
L 🞒 03_3111_2467_7 Body				MinDQ + DOLT	Min + DORT			
Product								

Post completion, approved Min/Max definition will be shown for reference.

Step 4: Navigate to Store Lead Time and Review Time and and review submitted Lead Time and Review Time if any, Execution **Planning Actions >** "Approve Submitted Repln Variables" and submitted lead time and review time will appear in the approved measures.

Manager can also reject the submitted Lead Time using the Planning Actions-> Reject Submitted Repln Variables.

Post Planning action completion, note the approved values.

CP Replenishment Parameters Approval Stor	re Lead Time & Review Time Approval		
	Submitted Avg Lead Time Submitted	Review Time Approve/Reject	
SP - United Arab Emirates	2	0 🗹	
- 🎒 03_21001 CP - Fujairah	0	0 🗹	
- 🎒 03_21002 CP - RAK Bin Dhahar	1	1 🗹	
🗰 03_21004 CP - Ajman City Centre	1	1 🗹	
🗰 03_21005 CP - Mall of Emirates	3	1 🗹	Stop 1
103_21006 CP - Sky Garden	1	1 🗹	Steh T
🛗 03_21007 CP - Breakwater Marina Mall	1	1 🗹	L
🎒 03_21008 CP - Jimmi Mall	1	1 🗹	•
03_21010 CP - Oasis Centre	0	1 🗹	
🎒 03_21011 CP - Bawadi Mall	2	1 🗹	
🗰 03_21012 CP - Ras Al Khaima	1	1 🗹	<u>File Edit View Format Window</u> Planning Actions <u>H</u> elp
🗰 03_21013 CP - Dana Mall	0	1 🗹	1. Approve Submitted Peopler
103_21014 CP - Daima Mail	1	1 🗹	
1 🗰 03_21015 CP - Mirdiff City Centre	2	1 🗹	2. Reject Submitted Replen V
1 03_21016 CP - Bawabat Store	1	1 🗹	evious Next New Open Renesi
\mu 03_21017 CP - Fujeira City Centre	1	1 🗹	
103_21032 CP - Deerfields Mall	1	1 🗾	Replenishment Parameters Approval Store Lead Time & Review Time Appro
103_21150 MCP-Ruwais Mall	1	1 🗹	
- 🎒 03_21168 CP - Al Ghurair Centre	1	1 🗹	

SCP Replenishment Parameters Approval Store Lead Time & Review Time Approval									
	Submitted Avg Lead Time	Submitted Review Time	Approve/Reject	Approved Avg Lead Time	Approved Review Time	Step 2			
SP - United Arab Emirates	0	0		2	0				
– 🎒 03_21001 CP - Fujairah	0	0		0	0				
– 🎒 03_21002 CP - RAK Bin Dhahar	0	0		1	1	◀───			
- 🎒 03_21004 CP - Ajman City Centre	0	0		1	1				
- 🎒 03_21005 CP - Mall of Emirates	0	0		3	1				
- 🎒 03_21006 CP - Sky Garden	0	0		1	1				
- 🎒 03_21007 CP - Breakwater Marina Mall	0	0		1	1				
– 🎒 03_21008 CP - Jimmi Mall	0	0		1	1				
- 🎒 03_21010 CP - Oasis Centre	0	0		0	1				
- 🎒 03_21011 CP - Bawadi Mall	0	0		2	1				
- 🎒 03_21012 CP - Ras Al Khaima	0	0		1	1				
- 🎒 03_21013 CP - Dana Mall	0	0		0	1				
- 🎒 03_21014 CP - Dalma Mall	0	0		1	1				



1.7 Replenishment Min/Max Approval

PARX Replenishment Min/Max approval workbook will be the main workbook accessed by Inventory Controller to review system calculated "**Recommended Min/Max**", item's performance at a store, change service levels and review calculated safety stock (optional), approve Min/Max for a specific date range on requirement basis.

Users will be also able to change ROS using "ROS Multiplier" and approve New Min/Max as and when required. They will be also able to directly define Min/Max and approve a date range.

All changes to Item/Location (system approved/userapproved) will be maintained and refreshed on daly basis.

1.7.1 Recommended Min Max

Based on pre-requisite data (MDQ and Shelf Capacity) and approved Min Max definition in previous steps, PARX will recommend Min and Max values for user review and approvals. The recommended MinMax will be based on the approved formula as discussed in section 1.5.1

```
Min =MinDQ+ ROUND(DoLT)+<SS>
Max = Min+Max(DoRT,1)
```

Where,

MDQ = Approved MDQ

Demand Over Lead Time (DoLT) = Planned Daily ROS * Approved RDC to Store Lead Time **Demand Over Review Time(DoRT)** = Planned Daily ROS * Approved Review Time for the Store **Safety Stock <SS>** = Additional but Optional Stock calculated based on Store service level to cover the variability in demand and Lead Time.

If Shelf Capacity(SC) is defined, both Min and Max will be capped by Shelf Capacity as follows,

Min=MIN (MDQ+ROUND(DoLT)+<SS>,SC-1) Max= MIN (Min+MAX(DoRT,1),SC)

In addition to the above definition, the system recommendation will be driven by the "Eligibility Criteria" and "Eligibility Exceptions". System will recommend Min Max Max only if,

Eligibility Criteria =' True" and Eligibility Exceptions ≠ 'N'

Seasons Location								
06 748 MX-SS18 06 60055 Max Ajman								
	RMS Min	RMS Max	RMS Eff From	RMS Eff To	Recommended Min	Recommended Max		
160060791 Rib corsette with lace	7.00	7.00	4/6/2018	9/30/2018	7	7		
160060792 Rib corsette with lace	6.00	6.00	4/6/2018	9/30/2018	6	6		

1.7.2 Eligibility Criteria

Eligibility Criteria is a pre-calculated indicator for each item-location based on several factors like pre-allocation, store receipts or store sales along with ROS cutoff and consolidation.

In summary the eligibility criteria can be defined as follows,

- Item to be eligible
 - \checkmark $\,$ Item should be ranged to any of the configured season for Min Max interface
 - ✓ Item should be part of an Order raised for a RDC with ordered_qty > 0
 - ✓ and estimated_in_stock_Date / latest shipment date should fall after previous trading year start date (2016-07-03)



• Item, Location - Store Eligibility

For an item / Location (stores) to be eligible there should be

✓ (

- \checkmark An ASN / BOL based allocation to store with allocated units > 0
- \checkmark Or A transfer to a store from warehouse with transfer units > 0
- ✓ Or a receipt at store from warehouse or a sale transaction after previous trading year start date (2016-07-03)

✓)

- ✓ And the item should not be part of substitute item(child item) configuration
- ✓ And the item, location (store) should not be part of consolidation.
- ✓ And the item should be ranged to the default_wh of the store in consideration.

The above pre-checks ensure that no ineligible stores-items are setup on MinMax during User approvals.

Store Replenishment Min-Max Store Min-Max Upload Review											
Seasons Location											
06 748 MX-SS18 06 60059 Max Bur Dubai											
	Eligible for Replenishmen	Replenishment Status	Ranged	Option Str Rcv Dt	Option SIs Start Dt						
160526598 lvory tee with beaded	M	2 Min Max Not Set	V	4/11/2018	4/18/2018						
06_160526597 lvory tee with beaded	Ľ	2 Min Max Not Set		4/11/2018	4/18/2018						
06_160526596 lvory tee with beaded	K	2 Min Max Not Set		4/11/2018	4/18/2018						
06_160526595 lvory tee with beaded	Ľ	2 Min Max Not Set		4/11/2018	4/18/2018						
06_160526594 lvory tee with beaded	Ľ	2 Min Max Not Set		4/11/2018	4/18/2018						
6_160526593 lvory tee with beaded	Ľ	2 Min Max Not Set	V	4/11/2018	4/18/2018						

1.7.3 Eligibility Exceptions

The option/store which are not eligible for Min Max calculations as defined by Users in Excel Uploads. The features will help planners to exclude item/locations from MinMax approval as this will override the calculated "Eligibility" based on pre-allocation, sales, receipts, consolidation.

In simple words, even if an item-store "Eligibility Criteria" is true as per rules in the section 2, if users define "Eligibility Exception as "N", system will not recommend Min Max.

	Seasons Location						
	06 748 MX-SS18 06 60059 Max Bur Dubai						
		Eligible for Replenishment	Replenishment Status	Ranged	Option Str Rcv Dt	Option SIs Start Dt	Eligibility Exceptions
	🎒 06_160060933 Jacket with down	V	2 Min Max Not Set	V	1/23/2018	1/26/2018	M
	🎒 06_160060932 Jacket with down	V	2 Min Max Not Set	V	1/23/2018	1/26/2018	M
	🎒 06_160060931 Jacket with down	V	2 Min Max Not Set	V	1/23/2018	1/26/2018	M
	🎒 06_160060930 Jacket with down	V	2 Min Max Not Set	V	1/23/2018	1/26/2018	M
	🎒 06_160060929 Jacket with down	V	2 Min Max Not Set	V	1/23/2018	1/26/2018	M
	🎒 06_160060928 Jacket with down	V	2 Min Max Not Set	V	1/23/2018	1/26/2018	
l	🎒 06_160060927 Jacket with down	V	2 Min Max Not Set	V	1/23/2018	1/26/2018	Ľ

1.7.4 Min Max Category

Min Max category are available in the workbook wizard to help users to select the right combinations of Item/Stores as per requirement.

The categories are as follows,

- 1. Min Max Active
- 2. Min Max Not Set
- 3. Min Max Expiring
- 4. Min Max Stopped
- 5. Min Max Ready for Auto Cut Off
- 6. Min Max Auto Cut Off Executed.

The Business rules for Min Max Categories are as per the below description.



- 1. Min Max Active: If Item/store is currently active on RMS Min Max, which means that as today's date falls between Active and Deactivate date in RMS. This is applicable to all uploads i.e Mass Upload or PARX approvals.
- 2. Min Max Not Set: If Item/store is currently not on RMS MinMax setup and or was present but with deactivate date earlier than 2 months.
- **3. Min Max Expiring**: If the item/store is currently active on RMS Min Max but the Decative date is within the the next 10 days. Such combinations will be categorized as as Min Max Expiring.
- **4. Min Max Stopped**: If the MinMax was ever active on RMS but the deactivate date falls within the last 2 months.
- 5. Min Max Ready for Auto Cut Off: If the current running Min Max is identified as "Eligible for Auto Cut Off" based on scarcity rules defined in section.
- 6. Min Max Auto Cut Off Executed: These item/store combinations are either deactivated due to ROS Cut Off or Consolidation (In RMS).

Seasons Location										
06 748 MX-SS18 06 60059 Max Bur Dubai										
Eligible for Replenishment Replenishment Status										
06_159984169 studs all over mom	V	2 Min Max Not Set								
159984170 studs all over mom	V	2 Min Max Not Set								
159984171 studs all over mom	V	2 Min Max Not Set								
159984369 Brushed hooded jacket with	V	7 Min Max Auto Cut Off Executed								
159984370 Brushed hooded jacket with	V	7 Min Max Auto Cut Off Executed								
159984371 Brushed hooded jacket with	V	7 Min Max Auto Cut Off Executed								
159984372 Brushed hooded jacket with	V	7 Min Max Auto Cut Off Executed								
159984373 Brushed hooded jacket with	V	7 Min Max Auto Cut Off Executed								
159984374 Brushed hooded jacket with	V	7 Min Max Auto Cut Off Executed								
159984375 Brushed hooded jacket with	V	7 Min Max Auto Cut Off Executed								
🕮 06_159984376 Brushed hooded jacket with	¥	2 Min Max Not Set								
159984377 Brushed hooded jacket with	V	2 Min Max Not Set								
159984378 Brushed hooded jacket with	V	2 Min Max Not Set								
159984379 Brushed hooded jacket with	V	2 Min Max Not Set								

1.7.5 Eligible for Auto Cut Off

This Change has been included in Jan 18 release to stop Min Max in RMS for an Option which "Qualify" for Cut Off based on RDC Stock Availability (Shortage). Based on potential to sell and expected Lifespan, stores be categorized for final cut Off.

PARX will auto-stop replenishment if an Option/Store is eligible for "Auto Cut Off". This indicator will be interfaced daily from Netezza to PARX at Option/Store level with expected Planned Exit Date. If an Option/Store is eligible for "Auto Cut Off", system will generate files to stop RMS Min-Max replenishment for the Planned Exit date.

Currently the planned exit date is defaulted to "Today". This cutoff is executed every week on Sunday and Thursday at 4:30 pm. Please refer to section 1.5.1 for more details.

For activating this feature, users are expected to request for the below setup at Group/Territory level.



Connection String Ros Auto Cutoff Activation Sys	minix Approvar Activation									
Measure										
RoS Auto Cutoff Activation 🔣 🗮 💓 🕅										
101_BS - United Arab	Emi 102_BS - Dammam - KSA	103_BS - Riyadh - KSA	104_BS - Jeddah - KSA	105_BS - Kuwait	106_BS - Qatar					
01_1011 Clothing Boys 📃				_						
01_1011 Clothing Boys		-		<u> </u>						
01_1011 Clothing Boys	<u>¥</u>		<u></u>	<u>v</u>						
01 1012 Clothing Girls										
01_1012 Clothing Girls	Z	Z	<u>v</u>	2	V					
01_1013 Clothing Essentials	Z	Z	K	Ľ	M					
01_1014 Basics Apparels	K	Z	<u>v</u>	V	Ľ					
J1_1015 Basics Non Apparels										
Store Replenishment Min-Max Store	Min-Max Upload Rev	iew								
Store Replemistiment min-max Store Min-Max Upload Review										
Seasons Location										
Seasons Location										
Seasons Location 06 748 MX-SS18 06_60233 MX	-Yas Mall		N							
Seasons Location 16 748 MX-SS18 06_60233 MX	-Yas Mall Eligible	for Replenishmen	t Replen	ishment Statu	IS.					
Seasons Location 16 748 MX-SS18 06_60233 MX 16 06_160335955 WOVEN TOP WITH	-Yas Mall Eligible RUFFLE	for Replenishmen	t Replen 7 Min Max Auto	ishment Statu Cut Off Exec	is uted					
Seasons Location 16 748 MX-SS18 06_60233 MX 10 06_160335955 WOVEN TOP WITH WOVEN TOP WITH WOVEN TOP WITH	-Yas Mall Eligible RUFFLE RUFFLE	for Replenishmen	t Replen 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec	is uted uted					
Seasons Location 16 748 MX-SS18 06_60233 MX 16 06_160335955 WOVEN TOP WITH WOVEN TOP WITH WOVEN TOP WITH 16 06_160335954 WOVEN TOP WITH WOVEN TOP WITH WOVEN TOP WITH	-Yas Mall Eligible RUFFLE RUFFLE RUFFLE	for Replenishmen	t Replen 7 Min Max Auto 7 Min Max Auto 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec Cut Off Exec	is uted uted uted					
Seasons Location 06 748 MX-SS18 06_60233 MX 06 06 0235955 WOVEN TOP WITH 06 6 160335955 WOVEN TOP WITH 06 6 160335953 WOVEN TOP WITH 06 6 160335953 WOVEN TOP WITH 06 6 160335953 WOVEN TOP WITH 06 6 160335952 WOVEN TOP WITH	Yas Mall Eligible RUFFLE RUFFLE RUFFLE RUFFLE	for Replenishmen	t Replen 7 Min Max Auto 7 Min Max Auto 7 Min Max Auto 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec	s uted uted uted uted					
Seasons Location 06 748 MX-SS18 06_60233 MX 106 06_160335955 WOVEN TOP WITH 106 06_160335954 WOVEN TOP WITH 107 06_160335953 WOVEN TOP WITH 108 06_160335953 WOVEN TOP WITH 109 06_160335954 WOVEN TOP WITH 109 06_160335951 WOVEN TOP WITH 109 06_160335951 WOVEN TOP WITH	Yas Mall Eligible RUFFLE RUFFLE RUFFLE RUFFLE RUFFLE	for Replenishmen	t Replen 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec	s uted uted uted uted uted					
Seasons Location 06 748 MX-SS18 06_60233 MX 08 06_160335955 WOVEN TOP WITH 09 06_160335953 WOVEN TOP WITH 09 06_160335953 WOVEN TOP WITH 09 06_160335953 WOVEN TOP WITH 09 06_160335951 WOVEN TOP WITH 09 06_160335950 WOVEN TOP WITH	-Yas Mall Eligible RUFFLE RUFFLE RUFFLE RUFFLE RUFFLE RUFFLE RUFFLE RUFFLE	for Replenishmen	t Replen 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec	s uted uted uted uted uted uted					
Seasons Location 06 748 MX-SS18 06_60233 MX 06 06335955 WOVEN TOP WITH 06 160335954 WOVEN TOP WITH 06 6160335953 WOVEN TOP WITH 06 06_160335952 WOVEN TOP WITH 06 06_160335952 WOVEN TOP WITH 06 06_160335951 WOVEN TOP WITH 06 06_160335950 WOVEN TOP WITH 06 160335951 WOVEN TOP WITH 06 06335950 WOVEN TOP WITH 06 06335950 WOVEN TOP WITH 06 06335950 WOVEN TOP WITH	-Yas Mall Eligible RUFFLE RUFF	I (I) (I) (I) (I) (I) (I) (I) (I) (I) (I	t Replen 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec Cut Off Exec	uted uted uted uted uted uted uted uted					
Seasons Location 06 748 MX-SS18 06_60233 MX 06 06335955 WOVEN TOP WITH 06 160335954 WOVEN TOP WITH 06 160335952 WOVEN TOP WITH 06 160335952 WOVEN TOP WITH 06 160335952 WOVEN TOP WITH 06 160335951 WOVEN TOP WITH 06 160335951 WOVEN TOP WITH 06 160335950 WOVEN TOP WITH 06 160335951 Denim bottom_SZ/4	Yas Mall Eligible RUFFLE RUFFL	I (I) (I) (I) (I) (I) (I) (I) (I) (I) (I	t Replen 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec	uted uted uted uted uted uted uted uted					
Seasons Location 06 748 MX-SS18 06_60233 MX 06 06335955 WOVEN TOP WITH 06 06335953 WOVEN TOP WITH 06 160335953 WOVEN TOP WITH 06 160335951 WOVEN TOP WITH 06 160335951 WOVEN TOP WITH 06 160335951 WOVEN TOP WITH 06 160335950 WOVEN TOP WITH 06 160335950 WOVEN TOP WITH 06 160335951 WOVEN TOP WITH 06 160335951 WOVEN TOP WITH 06 160335950 WOVEN TOP WITH 06 160335950 WOVEN TOP WITH 06 160335951 Denim bottom SZZ4 06 160309560 Denim bottom SZ4	Yas Mall Eligible RUFFLE RUFFLE RUFFLE RUFFLE RUFFLE RUFFLE PP-20 P-18	For Replenishmen	t Replen 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec	is uted uted uted uted uted uted uted uted					
Seasons Location 06 748 MX-SS18 06_60233 MX 06 06 06_335955 WOVEN TOP WITH 06 06 06 07 06 06 06 06 06 06 06 06 06 06 06 06 06 06 06 06 06 160335955 WOVEN TOP WITH 06 06 160335951 WOVEN TOP WITH 06 06 160335950 WOVEN TOP WITH 06 06 160335950 WOVEN TOP WITH 06 06 160335950 WOVEN TOP WITH 06 06 160309560 Denim bottom SZ4 06 160309550 Denim bottom SZ4 06 160309559 Denim bottom SZ4	Yas Mall Eligible RUFFLE RUFFLE PP-10 P-16	for Replenishmen for Replenishmen	t Replen 7 Min Max Auto 7 Min Max Auto	ishment Statu Cut Off Exec Cut Off Exec	is uted uted uted uted uted uted uted uted					

Below is the high level process flow for the Auto cut off replenishment process.





1.7.6 Min Max Exceptions

These item-store combinations are on RMS Min Max even when they are not eligible for replenishment as per section 1.7.2. These are simple for user review and take appropriate actions , if required.

Store Replenishment Min-Max Store Min-Max Upload R	Store Replenishment Min-Max Store Min-Max Upload Review											
Seasons Location												
06 748 MX-SS18 06_60053 Max Abudhabi												
	MDQ Days of Cover	Approved Shelf Capacity	Approved LT	Approved RT	Min Max Exceptions							
SP18ESK10DCL_BLUE_MEDIUM	22.96	17	1	1								
- 🎒 06_159984164 Embroidery knee length	57.00	1	1	1								
- 🎒 06_159984163 Embroidery knee length	14.25	2	1	1								
- 🎒 06_159984162 Embroidery knee length	28.50	2	1	1								
- 🎒 06_159984161 Embroidery knee length	14.25	3	1	1								
- 🎒 06_159984160 Embroidery knee length	16.29	4	1	1								
- 🎒 06_159984159 Embroidery knee length	19.00	3	1	1								
🕒 🎒 06_159984158 Embroidery knee length	11.40	2	1	1								
BSP18FD112D BLUE DARK	21.19	17	1	1								

1.7.7 ROS Multiplier & Impact on Min Max

One of the key functionalities in PARX, ROS multiplier helps to plan Min Max based on expected ROS during events such Ramadan or Back to School.

Users can edit the multiplier upto 5 times to derive "Calculated ROS" based on "Actual ROS" and hence Min Max to be approved in the next step. The Min Max in such cases are calculated as ,

```
Min =MinDQ+ ROUND(Actual ROS * Multiplier *Approved Lead Time)+<SS>
Max = Min+Max(Actual ROS * Multiplier *Approved Review Time,1)
```

If Shelf Capacity(SC) is defined, both Min and Max will be capped by Shelf Capacity as follows,

Min=MIN (MDQ+ROUND(Actual ROS * Multiplier *Approved Lead Time)+<SS>,SC-1) Max= MIN (Min+MAX(Actual ROS * Multiplier *Approved Review Time,1),SC)

1.7.8 RMS Min Max (For Review)

This workbook also shows the current running RMS Min Max with active and deactive dates so that users can review the current min max and take decisions accordingly.

Store Replenishment Min-Max Store Min-Max Upload Review											
Seasons Location											
16 748 MX-SS18 06_60053 Max Abudhabi											
	On RMS Min-Max	RMS Min	RMS Max	RMS Eff From	RMS Eff To						
SP18FD312D_WHITE_LIGHT	M	2.29	2.29	?	?						
- # 06_160281358 White rinse with raw	V	1.00	1.00	4/6/2018	9/30/2018						
- 🎒 06_160281357 White rinse with raw	V	2.00	2.00	4/6/2018	9/30/2018						
- 🎒 06_160281356 White rinse with raw	M	2.00	2.00	4/6/2018	9/30/2018						
- 🎒 06_160281355 White rinse with raw	V	3.00	3.00	4/6/2018	9/30/2018						
- 🎒 06_160281354 White rinse with raw	V	3.00	3.00	4/6/2018	9/30/2018						
- 🎒 06_160281353 White rinse with raw	V	3.00	3.00	4/6/2018	9/30/2018						
- 🎒 06_160281352 White rinse with raw	V	2.00	2.00	4/6/2018	9/30/2018						
6_ 🎒 06_160281351 White rinse with raw		0.00	0.00								



1.7.9 Approved Variables and Performance

There are number of measures included in the workbook to allow users to track the item-store performance and review the approved replenishment variables.

Option Store Rcv Dt – Date of Receipt for the Option at the store

Option SIs Start Dt – Date of sales trigger at Option level

Actual ROS – Actual ROS is calculated based on the last 8 weeks average daily sales.

MDQ Days of Cover – This measure will show the project days of cover based on the approved MDQs.

Approved MDQ – SKU level MDQ approved by the Users

Approved Shelf Capacity – SKU level Shelf Capacity approved by the Users

Approved Lead Time – Approved Lead Time by the Users at store level.

Approved Review Time – Approved Review Time by the Users at store level.

													_
Seasons Location												Meas	sure
06 748 MX-SS18 06_60053 Max Abudhabi	₩₩												
	Eligible for Replenishment	Ranged	Option Str Rcv Dt	Option SIs Start Dt	Planned Exit Date	Actual ROS	Planned ROS	MDQ Days of Cover	Approved MDQ	Approved Shelf Capacity	Approved LT	Approved RT	Μ ^
CT111S_BLACK_DARK	V	V	12/3/2017	12/23/2017	9/1/2018	0.13	0.13	26.16	22	28	1	1	5
- 🎒 06_160086665 Basic activewear capri with	V	V	12/3/2017	12/23/2017	9/1/2018	0.11	0.11	19.00	2	2	1	1	
- 🏥 06_160086663 Basic activewear capri with	M	V	12/3/2017	12/23/2017	9/1/2018	0.12	0.12	32.57	4	6	1	1	
- 🏥 06_160086662 Basic activewear capri with	M	V	12/3/2017	12/23/2017	9/1/2018	0.09	0.09	34.20	3	4	1	1	
- 🏥 06_160086660 Basic activewear capri with	M	V	12/3/2017	12/23/2017	9/1/2018	0.14	0.14	28.50	4	5	1	1	
- 🎒 06_160086658 Basic activewear capri with	M	V	12/3/2017	12/23/2017	9/1/2018	0.14	0.14	21.37	3	4	1	1	
- 🎒 06_160086656 Basic activewear capri with	M	V	12/3/2017	12/23/2017	9/1/2018	0.21	0.21	19.00	4	5	1	1	3
- 🎒 06_160086654 Basic activewear capri with	M	V	12/3/2017	12/23/2017	9/1/2018	0.07	0.07	28.50	2	2	1	1	
🕒 🎒 06_160086651 Basic active wear capri with	3	V	12/3/2017	12/23/2017	9/1/2018	0.00	0.00			0	1	1	



1.7.10 Workbook Name: Replenishment MinMax Approval

User Roles: Concept Inventory Controller

TAB: SCP REPLENISHMNT VARIABLES

Step 1: Login to the respective local domain/Group, Click "New" and under the tab **2. Store Replenishment**, Open **3.SCP Replenishment MinMax Approval.**

다 New C	စြာ ပြီ Open Delete				
New	,				×
	Administration	Analy	sis	LMG Admin	= II.
	1. Master Data Setu	p	2. Sto	re replenishment	
	This is a list of the work	book templ	ates for t	his group.	
	1. SCP Replenishment	Variables	Setup		
	3. SCP Replenishment	Min-Max A	Approva .pproval	1	

Step 2: Select data as per Wizard , Season(One) \rightarrow Select Territory(s) \rightarrow Select Category(s) \rightarrow Select Option(s) and click "Finish".



Step 3 in wizard represents the high level category which helps user to select Items in the next step based on category.

This category can be seen in the MinMax approval workbok under hidden measures.

Step 3: Navigate to the tab SCP Replenishment Min-Max. The workbook measures can be broadly classied into "review measures" and "Min-Max approvals.

Review the Item/store launch attributes (Planned Launch Date, Ranged, Store receive date, Sales Start Date, Planned Exit date, Eligible for Replenishment, Approved MDQ, Actual ROS, Planned ROS, Avg Lead Time and Review Time".



Approved MDQ, Avg Lead Time and Review Time will be based on the process followed in 1.6 and 1.7. Recommended Min/Max will be pre-calculated based on Min/Max definitions and approved values.

SCP Replenishment Min-Max Upload Review														
Seasons Location														
13 218 SP-B -AIS 103 21002 CP - RAK Bin Dhahar 1 K () Dhahar														
Planned Launch Ranged Store Receive Date Sales Start Date Planned Exit Date Eligible for Replenishment Approved MDO Actual ROS Planned ROS Avg Lead Time Review Time														
03 159805071 SHIRT SZAP-15		V	9/8/2017	9/10/2017	10/1/2018	V	0		0.18	1	1			
03_159330656 TROUSER_SZAP-32		V	5/12/2017	5/31/2017	10/1/2018	V	3		0.16	1	1			
03_159572532 SUITTROUSER_SZAP-30		v	6/23/2017	7/17/2017	10/1/2018	V	0		0.12	1	1			
03_159330657 TROUSER_SZAP-34		¥	5/12/2017	5/31/2017	10/1/2018	V	4		0.12	1	1			
03_159330649 TROUSER_SZAP-32		V	7/19/2017	8/4/2017	10/1/2018	V	3	0.12	0.12	1	1			
03_159805079 SHIRT_SZAP-16		\$	9/8/2017	9/28/2017	10/1/2018	V	0	0.09	0.09	1	1			
03_159805072 SHIRT_SZAP-15.5		¥	9/8/2017	9/10/2017	10/1/2018	V	0	0.09	0.09	1	1			

Navigate to the right to see additional measures , Service level, Safety Stock, Recommended Min and Recommended Max, RMS Min-Max values.

SCP Replenishment Min-Max Upload Review												
Seasons Location												
33 218 SP-B -AIS 第3 21002 CP - RAK Bin Dhanar 第1 K (モート)												
Actual ROS Planned ROS Avg Lead Time Review Time Service Level Safety Stock Recommended Min Recommended Max On RMS Min-Max RMS Min RMS Max												
03 159805071 SHIRT_SZAP-15		0.18	1	1	95.00%	0.00	0	0		0.00	0.00	
03_159330656 TROUSER_SZAP-32	0.16	0.16	1	1	95.00%	0.00	0	0	2	4.00	4.00	
03_159572532 SUITTROUSER_SZAP-30		0.12	1	1	95.00%	0.00	0	0	V	3.00	3.00	
03_159330657 TROUSER_SZAP-34	0.12	0.12	1	1	95.00%	0.00	0	0	V	5.00	5.00	
03_159330649 TROUSER_SZAP-32		0.12	1	1	95.00%	0.00	0	0		0.00	0.00	
03_159805079 SHIRT_SZAP-16	0.09	0.09	1	1	95.00%	0.00	0	0	M	3.00	3.00	
03_159805072 SHIRT_SZAP-15.5	0.09	0.09	1	1	95.00%	0.00	0	0	V	4.00	5.00	
03_159805070 SHIRT_SZAP-14.5	0.09	0.09	1	1	95.00%	0.00	0	0	V	2.00	2.00	
03 159524196 TROUSER SZAP-30	0.09	0.09	1	1	95.00%	0.00	0	0	V	2.00	2.00	

Navigation to right again and review ROS Multiplier, Override ROS, Min, Max Effective Date from and Effective date To, Approved Min, Max with effective dates.

SCP Replenishment Min-Max Min-Max Upload Review	v													
Seasons Location													Mea	sure
03 218 SP-B -AIS 03 21002 CP - RAK Bin Dhahar		4 P												
	RMS Min	RMS Max	ROS Multiplier	Override RoS	Min	Max	Min-Max Effective Date Fr	Min-Max Effective Date To	Approval	Approved Min	Approved Max	Approved Min-Max Effect	Approved M	in-
03 159805071 SHIRT_SZAP-15	0.00	0.00	0	0.00	0	(0			0	0			_
03_159330656 TROUSER_SZAP-32	4.00	4.00	10	1.58	0	(0			0	0			
03_159572532 SUITTROUSER_SZAP-30	3.00	3.00	0	0.00	0	(0			0	0			
03_159330657 TROUSER_SZAP-34	5.00	5.00	4	0.49	0	(0			0	0			
03_159330649 TROUSER_SZAP-32	0.00	0.00	4	0.49	0	(0			0	0			
03_159805079 SHIRT_SZAP-16	3.00	3.00	0	0.00	0	(0			0	0			

Step 4: (Optional) Review the Actual ROS and Planned ROS and edit "ROS Modifier" to recalculate Min/Max based on new ROS. Execute Planning Actions -> Calculate Safety Stock and Min/Max.Review the new ROS and Calcualted Min and Max.

										- I		
SCP Replenishment Min-Max Min-Max Upload Review												
Seasons Location												
03 218 SP-B -AIS 83 21002 CP - RAK Bin Dhahar 3 K K K IV												
	Actual ROS	Planned ROS	Avg Lead Time	Review Time	Recommended Min	Recommended Max	On RMS Min-Max	RMS Min	RMS Max	ROS Multiplier	Override RoS	
03_159330661 TROUSER_SZAP-42	0.05	0.05	3	1	1	1	V	1.00	1.00		0.00	
03_159330654 TROUSER_SZAP-42	0.05	0.05	3	1	1	1	V	1.00	1.00	(4	0.00	
03_159122541 TROUSER_SZAP-34	0.05	0.05	3	1	4	4	1	5.00	5.00		0.00	
03_158663801 SHIRT_SZAP-42	0.05	0.05	3	1	0	0		0.00	0.00	0	0.00	
03_159572500 SUITTROUSER_SZAP-30	0.05	0.05	3	1	0	0	V	3.00	3.00	0	0.00	
03_159572540 SUITTROUSER_SZAP-34	0.04	0.04	3	1	0	0	V	3.00	3.00	0	0.00	
03_159572534 SUITTROUSER_SZAP-34	0.04	0.04	3	1	0	0	V	3.00	3.00	0	0.00	
03_159572526 SUITJACKET_SZAP-36	0.04	0.04	3	1	0	0	V	2.00	2.00	0	0.00	

			Window Plann	ing Actions	Help Stock and	Min Max				
			New 2.4	Approve Min K	Aax Refresti		e		Note t ROS ar Min/M	he ne nd 1ax
me Revi	iew Time	Recommended Min	Recommended Max	On RMS Min-Max	x RMS Min	RMS Max	ROS Multiplier	Override RoS	Nin	Max
3	1	1	1	1	1.00	1.00	Ś	0.00	1	7
ustom M	Annu Rec	nonse			23	1.00	4	0.21	2	
ustomin	aenu kes	ponse				5.00	0	0.00	4	
						0.00	0	0.00	0	
						3.00	0	0.00	0	
	Calcul	ation of Safety Sto	ck & Min Max Con	npleted Success	iully	3.00	0	0.00	0	
	×					3.00	0	0.00	0	
						2.00	0	0.00	0	
						2.00	0	0.00	0	
					ОК	3.00	0	0.00	0	
						4.00	0	0.00	0	

GROUP Growing with our consumers **Step 5:** Review calculated Min/Max. At this point, user can again override absolute values in re-calculated Min/Max and select Effective Start Date From and Effective End Date To.

Select Boolean "Approval" and execute Planning Action \rightarrow Approve Min/Max. Review the Approved Min/Max and Effective Date.

At the end of the day, system will auto-generate all the user approvals in RMS Upload Format and the Min/Max values will be integrated in RMS system for execution as per the RMS Min/Max Process. Refer to Appendix for more details.



1.8 Appendix

Below are some key calculations with appropriate examples to under the Min-Max generation and approval process.

1.8.1 MDQ -Option to SKU level

Below are some key calculations with appropriate examples to under the Min-Max generation and approval process.

Planned MDQ or Override MDQ will be distributed at SKU level based on pre-calculated "Size- Profiles" interfaced to the application at Subclass/territory/Size_Range level.Currently "Size-Profiles" are based on Purchase Order quantity.

For e.g, Size Range SPSZ-0090a with sizes (szap-30, szap-32, szap-34, szap-36, szap-38, szap-40, szap-42) at store 21060 has the below size profile.

Size	Size_Range	Profile
szap-30	spsz-0090a	0.0826
szap-32	spsz-0090a	0.1757
szap-34	spsz-0090a	0.1704
szap-36	spsz-0090a	0.2339
szap-38	spsz-0090a	0.1774
szap-40	spsz-0090a	0.08
szap-42	spsz-0090a	0.08



Please refer to the below cases,

Case of Overallocation – Reduce qty post spreading from the SKU with maximum overallocation								
			Step1-	Step2-	Step3-			
		Planned	Round	balance	Adjust	Final	Comments	
		21	23			21		
szap-30	0.0826	1.7346	2	0.2654		2		
szap-32	0.1757	3.6897	4	0.3103		4		
szap-34	0.1704	3.5784	4	0.4216	-1 (Largest)	3	Reduce 1	
szap-36	0.2339	4.9119	5	0.0881		5		
szap-38	0.1774	3.7254	4	0.2746		4		
szap-40	0.08	1.68	2	0.32		2		
szap-42	0.08	1.68	2	0.32	-1(Largest)	1	Reduce 1	

Case of Underallocation – Add qty, post spreading from the SKU with maximum overallocation									
			Step1-						
		Planned	Round	Step2-balance	Step3-Adjust	Final	Comments		
		18	16			18			
szap-30	0.0826	1.4868	1	0.4868	+1	2	Add 1		
szap-32	0.1757	3.1626	3	0.1626		3			
szap-34	0.1704	3.0672	3	0.0672		3			
szap-36	0.2339	4.2102	4	0.2102		4			
szap-38	0.1774	3.1932	3	0.1932		3			
szap-40	0.08	1.44	1	0.44	+1	2	Add 1		
szap-42	0.08	1.44	1	0.44		1			

1.8.2 Safety Stock

Safety Stock is maintained for high priority products to cover for unexpected incidents at stores. As per standard definition, safety stock is calculated as,

Safety Stock = Service Level* (Stock to Cover for Variability in Demand +Stock to Cover for Variability in Supply)

Based on simulation results, Poisson distribution is used to describe discrete data with variance as large as mean and the following formula is used for calculating the saftey stock.

SafetyStock=Poissoninv(ServiceLevel, σd^2*AvgLeadTime+AvgReviewTime+σlt^2*DailyAvgDemand^2)

Where,

Service Level = Recommended Service Level approved by Manager at Class Level/ Overridden by Planner

 σ d^2 = Variance in actual daily demand

Avg Lead Time = Approved lead Time by Manager

Avg Review Time = Approved Review Time by Manager

 $\sigma \text{lt^2}$ = Variance in Actual Lead Time derived from last 6 months data

Daily Avg Demand = Actual ROS dervived from item-store performance



1.8.3 Auto Approvals in PARX

Based on automation requirements, auto approvals were introduced as part of March Release to consider weekly change in ROS and auto approve "Existing Min Max" if the variation if within +-2 units.

Below are the Business rules for auto approvals.

- ✓ ROS will be updated on Weekly Basis in PARX during Saturday night Load.
- ✓ Trigger Point If This week's ROS is different from Last Week's ROS Check
- ✓ If approved MDQ >0 and If PARX Recommended Min is within +- 2 units different from current RMS Min value and item/loc is "eligible for replenishment" then auto approve.
- ✓ This will be a weekly approval on Sunday morning at 8:00 am with effective date as of Sunday.
- ✓ Users will be able to see the approved by as "System" with respective approval dates.

Key Points to Note:

Auto approvals requires setup at Group/territory level and is not auto enabled for all Concepts. Business have to raise request to enable or disable the same.

Connection String RoS Auto Cutoff Activation Sys MiMx Approval Activation								
Measure								
Sys MMx Approval Activation 144 (19) 14								
	101_BS - United Arab Emi	102_BS - Dammam - KSA	103_BS - Riyadh - KSA	104_BS - Jeddah - KSA	105_BS - Kuwait	106_BS - Qatar	107_BS - Oman	108_BS - Ba
01_1011 Clothing Boys								
01_1011 Clothing Boys								
01_1011 Clothing Boys	V	M	K	Ľ	Ľ	Ľ	Ľ	V
01_1012 Clothing Girls								
01_1012 Clothing Girls								
01_1012 Clothing Girls	V	V	V	V	V	Ľ	Ľ	Ľ
01_1013 Clothing Essentials	V	M	K	V	M	Ľ	Ľ	Ľ
01_1014 Basics Apparels	V	K	K	V	K	M	M	Ľ
01_1015 Basics Non Apparels	V	V	V	V	M	Ľ	Ľ	Ľ
01_1016 Toys Educational	V	V	V	V	M	V	K	Ľ
01_1017 Toys Boys & Girls	V	K	K	V	M	M	Ľ	Ľ
01_1018 Toys Back to School	V	V	V	V	M	Ľ	Ľ	Ľ
01_1019 Toys Accessories	V	M	K	V	M	Ľ	Ľ	Ľ
01_1020 Nursery	V	Ľ	Ľ	V	K	V	V	Ľ

1.8.4 MDQ Status Email Reports

To track status of MDQ as per section 1.5.2, auto emailer reports are provided twice a week for users to validate and take necessary actions.

The concept admin can do the setup in Master domain for the seasons/groups as per requirement.

Sample MDQ Status Report

	Α	В	С	D	E	F	G	н	I	J	K	L	м	N
1	Territory	Group	Department	Class	SubClass	Option ID	Option Label	Store	Season	Phase	MDQ Uploaded	MDQ Approved	MDQ Approved	MDQ Approved On
2	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21001 CP - F	03_218_S	F03_218_2	(0	0	173606	20180312
3	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21002 CP - F	03_218_S	F03_218_2	(0	0	173606	20180312
4	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21004 CP - /	03_218_S	F03_218_2	(0	0	173606	20180312
5	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21005 CP - 1	03_218_S	03_218_2	(0	0	173606	20180312
6	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21006 CP - 5	03_218_S	F03_218_2	(0	0	173606	20180312
7	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21007 CP - E	03_218_S	F03_218_2	(0	0	173606	20180312
8	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21008 CP - J	03_218_S	F03_218_2	(0	0	173606	20180312
9	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21010 CP - 0	03_218_S	03_218_2	(0	0	173606	20180312
10	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21011 CP - E	03_218_S	F03_218_2	(0	0	173606	20180312
11	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21012 CP - F	03_218_S	F03_218_2	(0	0	173606	20180312
12	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21013 CP - I	03_218_S	03_218_2	(0	0	173606	20180312
13	301_SP -	03_3113	03_3113_2471	03_3113_247	03_3113_2471_11	103_156889105_g	6503103 1133V	03_21014 CP - I	03_218_S	03_218_2	(0	0	173606	20180312
14	301 SP-	03 3113	03 3113 2471	03 3113 247	03 3113 2471 11	103 156889105 g	6503103 1133V	03 21015 CP - 1	03 218 S	FO3 218 2	¢ 0	0	173606	20180312



1.8.5 PARX – RMS Integration

Currently PARX files are interfaced to RMS 4 times a day i.e 10:30 am, 1:30 pm, 4:30 pm and 7:30 pm. Since system is available till 6:00 pm Saturday to Thursday, users can approve Min Max during the Business hours starting 8:00 am GST.

Based on the integration timings, the approved Min Max will be interfaced to RMS.

Sample Outbound attached.



4_15_minmax_upload_lmgscp_01_1012_01_2199001_160991_LMGSCP_20180330003903_aa.csv.zip

1.8.6 Substitute Items and Eligibility

New attribute measures, **Substitute Item** are present in PARX which will be populated as "Parent"/ "Child" or null based on the Substitute items mapping in RMS. While Child items are "**Uneligible for replenishment**", **p**arent items inherit the properties of mapped Child Items as child are replenished as substitute items based on priority.

- Planned Exit date for Parent item will be calculated as Maximum Planned Exit Date of (Parent Item, Child 1, Child 2 and so on). Hence Planned Exit Date will always refer the biggest lifespan of the substitute items mapping.
- 2) Average ROS and Demand variability will be calculated by considering the last 8 weeks total sales of trading Parent/Child items and calculating the required values.

3) PARX will show the calculated Planned Exit Date and ROS Variability/Average ROS as per point 1 and 2. **Key Points to Note (Business Rules)**

- ✓ Substitute items mapping in RMS is a pre-requisite for the above process. If Child items are not mapped as substitute items, PARX will consider them as regular items.
- ✓ Substitute items are expected to be in the same season. PARX filters are available at season level hence Business should ensure that substitute items mapping is done for items with same Season. However, if an item is mapped as Substitute item, it will remain ineligible for replenishment as long as the RMS mapping is available.
- ✓ Substitute items are considered at Concept level though the RMS mapping is currently done at Territory level, which means that, items marked in RMS substitute settings for one territory are considered as Parent-Child mapping for all.

Users can display the attribute using "Sort and Display Attributes" when displaying the Product Hierarchy (in Wizard or Workbook)



/Display Attributes				1
Select a dimension to work with:				
SKU		•		
Attributes to Display				
Unused display attributes:		Display attributes:		
Product Lifespan	~	Label		
Product Type Season	>>	Substitute Item		
Size				
Size Range Themes	- <<			
Attributes to Sort By				
Unused sort attributes:		Sort attributes:		
Draduat Lifeanan				
Product Type		Substitute item ★ Label		
Season	>>	-		
Size Range	= <<			
Themes	-			
	ОК	Cancel	Apply	Help
	ОК	Cancel	Apply	Help
	ОК	Cancel	Apply	Help
tore Replenishment Min-M	OK ax Approval Wiz	Cancel	Apply	Help
tore Replenishment Min-M Select SKUs	ок ax Approval Wiz	Cancel	Apply	Help
tore Replenishment Min-M Select SKUs	OK ax Approval Wiz	Cancel	Apply	Help
tore Replenishment Min-M Select SKUs	ок ах Approval Wiz 03_15923155	Cancel ard 8 Cotton Knitted	Apply .	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978	ок ах Approval Wiz 03_15923155 03_15952412	ard 8 Cotton Knitted 0 TSHIRT_SZAP-	Apply Collared Tee Shir	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978	ок ах Approval Wiz 03_15923155 03_15952412 03_15979942	Cancel ard 8 Cotton Knitted d 0 TSHIRT_SZAP. 3 TSHIRT_SZAP.	Apply Collared Tee Shir S	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373978	ок ах Approval Wiz 03_15923155 03_15952412 03_15979942 03_15999498	Cancel ard 8 Cotton Knitted 1 0 TSHIRT_SZAP 3 TSHIRT_SZAP 6 T SHIRT_SZAP	Apply Collared Tee Shir S S -S	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373978 Child 159373979	OK ax Approval Wiz 03_15923155 03_15952412 03_15979942 03_15999498 03_15952412	Cancel ard 8 Cotton Knitted 1 0 TSHIRT_SZAP 3 TSHIRT_SZAP 6 T SHIRT_SZAP 1 TSHIRT_SZAP	Apply Collared Tee Shir S -S -S	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373979 Child 159373979 Child 159373979	OK ax Approval Wiz 03_15923155 03_15952412 03_15959492 03_15952412 03_15952412 03_15979942	Cancel ard 8 Cotton Knitted 1 0 TSHIRT_SZAP 6 T SHIRT_SZAP 1 TSHIRT_SZAP 4 TSHIRT_SZAP	Apply Collared Tee Shir S -S -M -M	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373979 Child 159373979 Child 159373979 Child 159373979	ок ах Арргоvаl Wiz 03_15923155 03_15952412 03_159599498 03_15959412 03_1597942 03_15999498	Cancel ard 8 Cotton Knitted 0 TSHIRT_SZAP 6 T SHIRT_SZAP 4 TSHIRT_SZAP 4 TSHIRT_SZAP 7 T SHIRT_SZAP	Apply Collared Tee Shir S S -S -S -M -M -M	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373979 Child 159373979 Child 159373979 Child 159373979 Child 159373980	ок ах Арргоvаl Wiz 03_15923155 03_15952412 03_15979942 03_159599498 03_15959412 03_15959412	Cancel ard 8 Cotton Knitted 0 TSHIRT_SZAP 3 TSHIRT_SZAP 6 T SHIRT_SZAP 1 TSHIRT_SZAP 4 TSHIRT_SZAP 7 T SHIRT_SZAP 2 TSHIRT_SZAP	Apply Collared Tee Shir S S -S -M -M -M -M	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373979 Child 159373979 Child 159373979 Child 159373979 Child 159373980 Child 159373980	ок ах Арргоvаl Wiz 03_15923155 03_15952412 03_15979942 03_15952412 03_15959498 03_15952412 03_15999498 03_15952412	Cancel ard 8 Cotton Knitted 0 TSHIRT_SZAP 3 TSHIRT_SZAP 6 T SHIRT_SZAP 1 TSHIRT_SZAP 7 T SHIRT_SZAP 7 T SHIRT_SZAP 5 TSHIRT_SZAP 5 TSHIRT_SZAP	Apply Collared Tee Shir S S -S -M -M -M -M -J	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373979 Child 159373979 Child 159373979 Child 159373979 Child 159373980 Child 159373980	ок ах Арргоvаl Wiz 03_15923155 03_15952412 03_15979942 03_15952412 03_15952412 03_15979942 03_159599498 03_15952412 03_159599498 03_15952412 03_15979942	Cancel ard 8 Cotton Knitted 1 0 TSHIRT_SZAP 3 TSHIRT_SZAP 6 T SHIRT_SZAP 1 TSHIRT_SZAP 7 TSHIRT_SZAP 7 TSHIRT_SZAP 2 TSHIRT_SZAP 5 TSHIRT_SZAP	Apply Collared Tee Shir -S -S -M -M -M -M -I -L -L	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373979 Child 159373979 Child 159373979 Child 159373979 Child 159373980 Child 159373980 Child 159373980 Child 159373980	ок ах Арргоvаl Wiz 03_15923155 03_15952412 03_15979942 03_15952412 03_15952412 03_15979942 03_15952412 03_15952412 03_15979942 03_1595242	Cancel ard 8 Cotton Knitted 1 0 TSHIRT_SZAP 3 TSHIRT_SZAP 1 TSHIRT_SZAP 4 TSHIRT_SZAP 7 T SHIRT_SZAP 2 TSHIRT_SZAP 5 TSHIRT_SZAP 5 TSHIRT_SZAP 3 T SHIRT_SZAP	Apply Collared Tee Shir -S -S -M -M -M -M -L -L -L -L	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373978 Child 159373979 Child 159373979 Child 159373979 Child 159373980 Child 159373980 Child 159373980 Child 159373980 Child 159373980	ок ах Арргоvаl Wiz 03_15923155 03_15952412 03_15979942 03_15952412 03_15979942 03_15952412 03_15952412 03_15952412 03_15952412 03_15952412 03_15952412	Cancel ard 8 Cotton Knitted 1 0 TSHIRT_SZAP 3 TSHIRT_SZAP 6 T SHIRT_SZAP 1 TSHIRT_SZAP 7 T SHIRT_SZAP 2 TSHIRT_SZAP 5 TSHIRT_SZAP 8 T SHIRT_SZAP 3 TSHIRT_SZAP 3 TSHIRT_SZAP	Apply Collared Tee Shir S -S -S -M -M -M -L -L -L -L -L -XL	t_SZAP-L
tore Replenishment Min-M Select SKUs Child 158951713 Child 159373978 Child 159373978 Child 159373978 Child 159373979 Child 159373979 Child 159373979 Child 159373980 Child 159373980 Child 159373980 Child 159373980 Child 159373981 Child 159373981 Child 159373981	ок ах Арргоvаl Wiz 03_15923155 03_15952412 03_15979942 03_15952412 03_15952412 03_15979942 03_15952412 03_15952412 03_15979942 03_15999498 03_15952412 03_15979942	Cancel ard 8 Cotton Knitted 1 0 TSHIRT_SZAP 3 TSHIRT_SZAP 1 TSHIRT_SZAP 4 TSHIRT_SZAP 7 T SHIRT_SZAP 2 TSHIRT_SZAP 5 TSHIRT_SZAP 8 T SHIRT_SZAP 8 T SHIRT_SZAP 3 TSHIRT_SZAP	Apply Collared Tee Shir S S -S -M -M -M M -L -L -L -L -L -XL -XL	t_SZAP-L

1.8.7 Interface Data

Data	Interface name	Intersection	Description
Hierarchy	Prod Hierarchy	sku	
Hierarchy	Loc Hierarchy	loc	
Hierarchy	DC Hierarchy	wh	
Hierarchy	Season Hierarchy	phase	
Hierarchy	WH Hierarchy	cdc	
Hierarchy	Size Hierarchy	size	
Hierarchy	repl_status	sku/store	 1.MinMax Active 2.Min Max not Set (Item-Loc Ranged/Trading but no Min/Max set by Users) 3.MinMax need review (Current week ROS is higher/Less than last week ROS) 4.MinMax Stopped (Item-loc replenishment stopped due to expired Planned Exit Date/Consolidation)
Store-Size Profile	store-size Profile	season/subclass /store /size_range/size	Store-size profile calculated in Netezza based on PO Ratio
Service level	Service level	sku/store	Recommended service Level based on Sellthorugh Index for each SKU/Store
Lead Time	Average Lead Time	store	Average Lead Time for store based on last 6 months transactions interfaced from Netezza



	Lead Time		Variability in Lead Time for each store based on last
Lead Time	Variance	store	6 months transactions.
Launch	Ranged(T/F)		
Attributes	Value	option/store	sku/store ranging information
Launch	Store Receive		
Attributes	Date Value	option/store	Store receive date in RMS
Launch	First Sold date		
Attributes	Value	option/store	First Sale date in RMS
Launch	Planned Exit Date		
Attributes	Value	option/store	Planned Exit Date -To be calculated in Netezza
MinMax	Daily Average ROS		daily average demand based on actuals - (Last 2
Input	Value	sku/store	Months for Basics)
Data	Interface name	Intersection	Description
MinMax	ROS Variability		
Input	Value	sku/store	demand variability based on Actual sales data
MinMax	Planned ROS		
Input	Value	sku/store	Forecasted daily average demand.
RMS Min			
Max	On RMS T/F	sku/store	On RMS Min/Max Indicator
RMS Min	RMS Effective		
Max	Date From	sku/store	RMS Min/Max details
RMS Min	RMS Effective		
Max	Date To	sku/store	RMS Min/Max details
RMS Min			
Max	RMS Min (100)	sku/store	RMS Min/Max details
RMS Min			
Max	RMS Max (100)	sku/store	RMS Min/Max details
SKU			
Attributes	Season	sku	RMS Min/Max details
SKU			
Attributes	Hit-Phasing	sku	Hit Information
SKU			
Attributes	Product-Type	sku	Product Type UDA Value
SKU	All- Product		
Attributes	Lifespan	sku	Lifespan UDA Value
SKU			
Attributes	Size_Range	sku	Size Range lined to the sku
SKU			
Attributes	Size	sku	Size Information

