

BR #	BR Description	Module Descriptions	BR Weight	Module Weight	Status
BR001	Ability to allow users to login using XL user ID or SSO	Login form integrate XL user ID information	100	100	
BR002	Ability to sync with HR system, and obtain employee information e.g. Name, Designation, Department, contact details	User management get information form HR system	100	100	
BR003	The Capacity Management Application should support following user roles:1) Requestor: Raise demand request (could be managed via email or direct request on the tool), can also include traffic projections etc.2) Capacity Manager: Accept or Reject capacity demand; Review and validate Capacity availability, capacity reservation etc.3) Demand Capacity: Provide traffic projections 4) Network Planning : Provide results of network capacity assessment5) IT Planning: Provide results of IT capacity assessment6) Product Development: Receive capacity assessment results 7) CM Configurator: configure rules and parameters for the CM tool such as CKFs, Measures, Service Path, dashboard formats, report templates etc.	Design Workflow system	100	100	
BR004	Ability to support an Administrator role, which has following functions:1) Assign roles to individuals2) Audit functionality3) UI changes4) Interface development and maintenance5) Functionality changes6) Trouble shooting and fixes	Admin assign role, audit functionality, UI Changes, user audit and log	100	14.2	
		submodule assign role to individuals		14.2	
		submodule audit functionality		14.2	
		submodule UI changes		14.2	
		submodule interface development and maintenance		14.2	
		submodule functionality changes		14.2	
		submodule audit and log for trouble shooting and fix		14.2	
BR005	Ability to generate unique Demand number (DN) based on naming convention specified by XL and only when certain criteria are fulfilled (such as mandatory fields in demand request form)	UDR (workflow) (BR005, BR016, BR017)	100	100	
		Design relationship UDR as key number		100	
BR006	Ability to enforce user to fill mandatory fields before submitting a demand request. Mandatory fields are:1) Type of launch: Additional Offer/Price Plan2) Purpose of launch: Attract/Extract/Retention3) Business Owner: TVS/Digital/Extract4) Date of capacity requirement5) Subscriber profile impacted?: Yes/No6) Usage profile impacted?: Yes/No7) Expected date of Launch8) Usage and subscriber projections (i.e number of subscribers, number of subscriber events, concurrent subscribers etc.)9) Coverage of product launch (i.e POC, Region, National)10) A short description (free text - optional)Once all mandatory fields are populated the system should be able to record a capacity demand requirement in a "Demand Log"	information and data gathering to define detail requirement	100	33.3	
		First stage submission module : module to approved or rejected of demand request priority		33.3	
		Comment box mandatory field when it rejected		33.3	
BR007	Ability to upload multiple documents while submitting a request	Form uploading request document	100	100	
BR008	Capacity management tool should have ability to provide a drop down menu to user for selecting the priority of demand requests. Priority can be:High NormalLow	Form field priority demand capacity	100	100	
BR009	Once request is submitted, Product development team to confirm the priority. System should give option to Product development for accepting or rejecting the priority. If product development selected accept then demand request should go to Capacity manager else request should go back to requestor	Workflow acceptance or rejection product development confirmation	100	100	
BR010	Comments filed should be mandatory in case priority is rejected by product development	Comments box each workflow process	100	100	
BR011	Ability for Capacity manager to edit the priority set by requestor, and capture reason code and comments for change in priority	Updateable priority field in request form	100	100	
BR012	Capacity management tool to send notification in form of SMS/Email to Capacity manager and requestor as soon as demand request is submitted	Notification each workflow process to SMS	100		
		Notification each workflow process to Email		100	
		Alerting view in frontend		33	
BR013	On submission of demand request, capacity manager should be shown 2 options: Accept and Reject.	Capacity manager accept or reject form and comments box	100	100	

Sheet1

BR014	Ability to track and manage SLA. If capacity manager doesn't accept or reject demand request within 3 hour then system should send notification in form of SMS/Email to PIC as per escalation matrix defined in system.	Checking system when capacity manager doesn't accept or reject demand request within 3 hours	100	100	
		Notification SMS to PIC as per escalation			
		Notification Email to PIC as per escalation		100	
BR015	Ability to define escalation hierarchy for each team and send notifications in case of SLA violations	User and group management to send notification in case of SLA violation	100	100	
BR016	If Capacity Manager has selected 'Reject' then notification should go to requestor in form of SMS/Email and demand request status should show 'Rejected'	workflow rejected demand request from capacity manager	100	100	
BR017	For rejected demands, requestor can again submit the same request and in that case demand number should remain same and system should append revision number based on number of time demand request was rejected	Workflow Requestor resubmit request form when rejected	100	100	
BR018	If Capacity Manager has selected 'Accept' then notification should go to demand capacity team in form of SMS/Email and demand request status should show 'Under assessment'	Workflow capacity manager accepted request to demand capacity (SMS and Email)	100	100	
BR019	Capacity management tool should allow demand capacity team to upload document but restrict changing any other field	Demand capacity team upload document form for adding attachment	100	100	
BR020	If demand capacity team doesn't close their task within 6 hour of task creation for them then system should follow escalation matrix defined for the team	checking system when demand capacity team doesn't upload projection documents within 6 hours	100	100	
BR021	Ability to support population of business parameters in service path for both network and I.T	Module for populate business parameters on service path	100	100	
BR022	Ability to allow capacity manager to forward the demand request to other teams. System should show drop list with options:Forward to Planning teamsForward to Product Development	Capacity manager form to forward demand request to Planning teams or Product Development	100		On Test demand
BR023	Ability to allow planning teams to select one of the following options:Capacity availableCapacity not availableCapacity partially availableCapacity conditionally available	Dropdown option for planning team to select (Capacity available, Capacity not available, Capacity partially available, Capacity conditionally available)	100	50	
BR024	System should provide comments fields for planning team to fill and in case planning team has selected Capacity partially available or Capacity conditionally available then system should make comment field mandatory	Comments box mandatory for planning team in case selected capacity partially	100	50	
BR025	System should be able to provide consolidated view of reserved capacity for each network element along with reservation date. For multiple reservations coinciding on same date system should have the ability to show the consolidated reservation	Module to view consolidated view reserved capacity for each network elements along each date of reservation	100		???
BR026	System should allow only capacity manager to close the demand request. Demand request can be closed only by selecting one of the below mentioned options:1) Demand request Withdrawn2) Demand request approved3) Demand request rejected4) Demand request partially approved	Capacity manager closing the demand request form	100	100	
BR027	System should provide for a mandatory comments field, in case option selected is Demand request "partially approved" or Demand request "rejected" while closing a demand request.	Comments box for capacity manager closing the demand request form	100	100	
BR028	System should provide for mandatory entry of "Cost to Deliver" in case option selected is Demand request "partially approved" or Demand request "rejected" while closing the demand request. Appropriate data validation rules for Cost to Deliver need to be applied	Form to entry of cost to deliver when capacity manager closing the demand request	100	100	
BR029	System should enforce entering Comments in case option selected is Demand request Withdrawn while closing the demand request	Comments box for capacity manager closing the demand request form	100	100	
BR030	System should enable the reopening of demand request with status Demand request withdrawn and in this case demand number should remain same.	Reopening demand request with status withdrawn	100	100	
BR031	System should allow capacity manager to change the demand request closure reason even after closure of demand request	Workflow capacity manager can change demand request closure even after closure of demand request	100	100	
BR032	On closure of the demand request, business owner should be informed about cost of capacity reservation. Cost of capacity reservation should be calculated by multiplying the cost per capacity with the reserved capacity for each product.	Calculate cost per capacity by multiplying reserved capacity on each product	100		On Test demand
BR033	System should enable storing of Cost per capacity field for Voice, SMS, Data. Only CM configurator and/or Capacity Manager can change this value.	Capacity manager change value of Cost per capacity system to storing cost per capacity for Voice, SMS & Data	100		
BR034	Capacity Verification output should include a Cost for Capacity values for the demand request	Cost per capacity value from demand request show in Capacity verification	100	100	

Sheet1

BR035	System should not apply cost per capacity retrospectively and any changes in the cost per capacity should be applicable for plans assessed after the change date.	Cost per capacity module for capacity retrospectively in any changes applicable for plan assessed after change date	100	100	
BR036	System should have the ability to store dates when cost per capacity is changed and also the historical values of cost per capacity.	History of cost per capacity datas	100	100	
BR037	System should have the ability to compare the forecasted Vs actual traffic based on formulaes defined	Comparing forecast vs actual traffic	100	100	
BR038	System should calculate Revenue opportunity loss in case actual product launch is delayed by more than 7 days from product launch date provided by business user and tool should tag this cost to the price plan which is delayed. This should be calculated only if priority remain same.	Calculation system for revenue opportunity when product launch is delayed	100		???
BR039	System should calculate Revenue opportunity gain in case actual product launch is preponed by more than 7 days from product launch date provided by business user and tool should tag this cost to the price plan which is preponed. This should be calculated only if priority remain same.	Module for revenue analysis	100		???
BR040	The system should support the capturing of CKF values and measures for the followingSystem: *** ..	capturing of CKF values and measures for Each system.	100	20	
		capturing of CKF values and measures for multiple deployments; each deployment should be defined as a separate system.		20	
		capturing of CKF values and measures for Capacity parameters that define the system profile need to listed here.		20	
		capturing of CKF values and measures for Top impacting parameters listed individually		20	
		capturing of CKF values and measures for Rest of the parameters can be added up and represented as one value.		20	
BR041	System should maintain a log of all the entries made in weekly and monthly data input and trace it back to the user name who did the changes	Module for user activity logs	100	100	
BR042	Following guidelines apply for entry of weekly system parameters by SOG capacity manager: o Peak hour of the system should be captured. o The peak should not be caused by specific conditions like backlog, errors etc. o This peak hour volume should be deconstructed in metric profile and filled in this column. o The sub component capacity parameter can be added as utilization or ratio to system capacity.	SOG capacity manager entry weekly system capturing peak hour	100	100	
BR043	The system should be able to provide for the baselining of system capacity by the Capacity Manager in the following cases: • Every Month • On code change. • On deployment change. • On Profile change of Metric • On Sub component capacity change Capacity manager should obtain this data from application PICs	Baselining of the system for capacity manager (every month, on code change, on deployment change, on profile change metric, on sub component capacity change)	100	100	
BR044	The baseline table should support the following parameters: System: • Each system. • If a system has multiple deployments; each deployment should be defined as a separate system. Capacity Metric: • Installed capacity numbers i.e. maximum capacity supported by system minus any buffers The numbers are to be entered in the system by Capacity Manager (SOG). Source of data is application PIC	Baselining system support for each system, multiple deployment, installed capacity numbers	100	100	
BR045	The system should be capable of maintaining as reference data, "Service Paths" for various services. The Service path will constitute the following information: 1) Service description 2) Systems and Elements impacted This data will be configured one time based. Only SOG capacity manager can change this in case of any architectural changes (e.g. addition of new system or changes in existing systems).	Module for service description (service path)	100	50	
		Module for system and element impacted (service path)		50	
BR046	Service paths should be editable by the CM Configurator/Capacity Manager, by adding/modifying or removing systems impacted for various service areas	Module for Capacity manager edited impacted system for various service areas	100	100	
BR047	System should have the capability to log and maintain the date of System profile change and in case system profile is not changed in the last 6 months then system should issue a notification to Capacity manager.	Module for log and maintain date of the system profile change	100	100	
BR048	The system should be able to produce a dashboard, which is customizable by the Capacity Manager. System should have capability to send the dashboard to email at regular intervals to designated recepients	Module for capacity manager for customize capacity dashboard	100	50	
BR049	System should have capability to send the dashboard to email at regular intervals to designated recepients	Module for send dashboard to email with regular scheduling	100		

Sheet1

BR050	Dashboard should list :System: • Each system. • If a system has multiple deployments; each deployment should be defined as a separate system.	Dashboard module for listed each system	100	100	
BR051	Installed Capacity:• Maximum capacity (trx or Subs or users) supported by system minus any buffers	Dashboard module for installed capacity	100	100	
BR052	Current Utilization:• Current utilization of capacity (in trx/Subs/Users) of the system, as reported by the system owners.	Dashboard module for current capacity	100	100	
BR053	% Capacity Used. • Current Utilization by Installed Capacity in percentage.	Dashboard module for percentage capacity used	100	100	
BR054	Capacity Reserved• Capacity reserved for all the demands that have been implemented in the last month Or are going to be implemented in the coming month.	Dashboard module for capacity reserved	100	50	On progress
BR055	% Capacity Reserved• Capacity reserved by Installed Capacity in percentage.	Dashboard module for percentage capacity reserved	100	100	
BR056	Capacity Limit breach In Weeks - by Linear trendo Shows the timeline (in Week_Year) where the system installed capacity is exceeded, considering linear growth.	Dashboard module for capacity weekly by linear trend	100	100	
BR057	Capacity Limit breach In Weeks - by Exponential trendo Shows the timeline (in Week_Year) where the system installed capacity is exceeded, considering exponential growth.	Dashboard module for capacity weekly by exponential trend	100	100	
BR058	Capacity Limit breach In Weeks - by Polynomial trendo Shows the timeline (in Week_Year) where the system installed capacity is exceeded, considering Polynomial growth.	Dashboard module for capacity weekly by polynomial trend	100	100	
BR059	Capacity Limit breach In Weeks - by Demands• Shows the timeline (in Week_Year) where the system installed capacity is exceeded, considering: o The linear growth. o Capacity Reserved.	Dashboard module for capacity weekly by linear growth & capacity reserved	100	30	On progress
BR060	Subscriber Profile• The impact on capacity of the system by one subscriber in peak hour.	Dashboard module for subscriber profile	100	100	
BR061	System should have the capability of comparing Subscriber Profile with Usage Profile for individual products as well as consolidated.	Dashboard module for consolidated profile and individual products	100	100	
BR062	Max Additional Supported Sub Count (Mil)• Additional Subscribers that the system can support on top of the current utilization and capacity reserved.	Module for additional subscriber that system can support on top current utilization an capacity reserved	100	100	
BR063	System should be able to draw and compare trend graphs:• Linear (based on the past history)• Exponential• Polynomial• Projected (based on demands implemented in last month & planned for future.) Projections should be calculated by the system using Linest function (least squares method)	Dashboard module for comparing trend graphics (linear, exponential, polynomial & projected)	100	100	
BR064	The tool should be able to maintain a table for individual applications whose capacity is to be measured.	Module to maintain capacity measured	100	100	
BR065	Tool should allow support for a System Profile i.e. define the service/metric split of the the system.	Module for system profile to define service/metric	100	100	
BR066	Tool should support maintaining a history of system profile, and calculate profile Variation:• This represents the variation in the system profile of individual service/metric from last entry.	Module to log history of the system profile and calculation for profile variation	100	100	
BR067	The system should be able to model the following high level location categories in-line with the location hierarchies defines accross XL- Site- Cluster- POC (Point of Charge)- Region- National	Data model for high level location categories (Site, Cluster, POC, Region, National)	100	100	
BR068	The system should be able to interface with multiple data source systems such as (SAP, IMS, EMS, EDW, other OSS etc.)	Module for multiple interface data source system (SAP, IMS, EMS, EDW, other OSS etc)	100	30	
BR069	The system should be able to record the instances of the network element types as documented in the design document (Capacity Management Design Report and Process Playbook v1.3) section 3.2.1	Module to record instances of the network element type	100	100	
BR070	The system should be able to map the network elements instances to the location categories as provided by the topology master system	Module to map network elements instances to the location categories	100	100	
BR071	The system should be capable of extending the network elements types as required, aligning with the updates to the design document (Capacity Management Design Report and Process Playbook)	Module for extending network elements types as required	100	100	
BR072	The system should be able to record the "availability indicator" for each network element instance as applicable.	Module for recording the "Availability indicators" for each network elements	100	100	

Sheet1

BR073	The system should be able to capture all IT systems and network element instances that are involved in delivering an end-to-end service (primary and backup).The system should support this for all the services mentioned in the design document (Capacity Management Design Report and Process Playbook v1.3), Services include Voice, SMS, Data (2G and 3G), Blackberry, VAS and digital services, as well as non-usage services such as registration, activation, balance query and so on	Dashboard module for IT services and Network services	100	100	
BR074	The system should allow the configuration of network element types for each respective Service Path that will be used to populate instance data	Dashboard module to configuring service path	100	100	
BR075	The system should allow the configuration of Capacity Key Factors for each network element Type involved in the Service Path	Dashboard module to configuring CKF in the service path	100	100	
BR076	The system should allow the configuration of Capacity Measures for each CKF for the network element types in the Service Path	Dashboard module to configuring capacity measures for each CKF	100	100	
BR077	The system should allow the setting of input values for specific Capacity Threshold related Capacity Measures (ex. Minimum Fill capacity, Alert Threshold capacity, Max Capacity Threshold). These input values should be set at a global context against each element type as well as individual instances if required to reflect different manufacturer specifications	Setting module to input values for specific capacity threshold related capacity measures	100	100	
BR078	The system should be able to record the Capacity Key Factors for all instances of network element types along the service path	data model to record CKF for all instances network element types along service path	100	100	
BR079	The system should be able to record the Installed capacity for all instances of network element types along the service path	data model to record installed capacity for all instances network element types along service path	100	100	
BR080	The system should be able to record the current capacity utilization for all instances of network element types along the service path	data model to record current capacity utilization for all instances network element types along service path	100	100	
BR081	The system should allow a Capacity Manager to reserve capacity across elements supporting a Service Path across all levels of the Location Hierarchy as applicable (from National level all the way to a PoI/Site level if required)	Module for Capacity manager to reserved capacity across element supporting service path of the location hierarchy	100	100	
BR082	The system should allow a Capacity Manager to modify the reserved capacity values as required across all levels of the Location Hierarchy as applicable (from National level all the way to the PoI/Site level if required)	Module for capacity manager to to change value of the reserved capacity across all levels of the location hierarchy	100	100	
BR083	The system should be able to calculate the reserved capacity taking into account the information received as part of the usage profile, the respective demand TTL and demand priority	Module for calculate the reserved capacity taking into account the information received as part of the usage profile	100	100	???
BR084	The system should release automatically or via user intervention reserved capacity upon expiry	Module to release automatically when reserved capacity expired	100	100	
BR085	The system should be able to calculate the projected available capacity that is the total of current utilized capacity and the reserved capacity	Module for calculate the reserved capacity taking into account the information received as part of the usage profile	100	100	
BR086	The system should allow the ability to define capacity reports across all levels of the Location Hierarchy	Module to reports capacity utilization across all location hierarchy	100	100	
BR087	The system should provide predefined capacity reports aligned with the Dashboard requirements as stated in design document (Capacity Management Design Report and Process Playbook v1.3) section 3.7	Module to reports predefined capacity aligned with the dashboard	100	100	
BR088	The system should provide user defined notifications regarding Capacity breaches	User module to define notification regarding capacity breaches	100	100	
BR089	The system should provide user defined notifications regarding the expiry of reservations	User module to define notification regarding expiry reservations	100	100	
BR090	System should show all the process SLA breaches in form of a report	Reporting module for all the process SLA breaches	100	30	On progress
BR091	The system should be able to allow the capacity manager to run queries on one or more of the following:1) List of systems (by Service Path or individual instances)2) List of network elements (by Service Path or individual instances)3) Capacity key factors for systems and network elements4) Values of CKFs5) Measures, and values of measures6) Combination of two or more of the above, 7) Queries by location, PoC level.Further the system should be able to allow Capacity Managers/Admin users to create and store custom queries	Module for capacity manager to run free queries list of system (service path, NE, CKF and utilization by location hierarchy)	100	100	
		Module for capacity manager to create and store custom queries		100	
BR092	System should have the capability to map network elements with their GIS co-ordinates and should be able to show service path in the GIS view	GIS Module to map network elements with their GIS coordinate an able to show service path	100	50	
TOTAL SCORE			9200	8272.3	
PERCENTAGE SCORING			89.92		