# PCS 2.5 Change Request 001

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| **Project Name** | | | **PCS 2.5** | | | | **Change Request ID** | | | | 001 | | |
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| **Change Request Title** | | | Changes based on Design Review | | | | **Date Submitted** | | | | August 21, 2014 | | |
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| Identified By | | | Crossroads | | | | Priority | | | **X** | **High** | | |
|  | | |  | | | |  | **Medium** | | |
| **Assigned To** | | | Requirements  RTI  PCS GUI  Analyzer | | | |  | **Low** | | |
| **Description of Proposed Change**:  **Requirement**: **3.1.2.4 Determine Status for Data QoE** RTI shall have the ability to determine the status for the data QoE by using the following guidelines:   * **Red**:   + If the average bandwidth in the <interval> is less than or equal to the threshold value   + If the average session connect time in the last 15 minutes is greater than or equal to the threshold value * **Green** - If the average bandwidth in the <interval> is greater than to the threshold value AND if the average session connect time in the <interval> is less than to the threshold value * **Grey** – No activity in the last 8 hours to less than 7 days * **Unavailable** – No activity in the last 7 days or more ~~Data not available for this IMSI~~  3.2.1.2.1.1 Service Level View Data PCS GUI shall have the ability to display the following service level view data in a table that will allow filtering in all columns based on the search criteria. The following shall be displayed:   * Group – Provisioning * Location – country * IMSI/MIN – Provisioning * MSISDN/MDN – Provisioning * Last Session Attempt Successful? – SUCC/ERR - GTPc * Last Session Attempt Failure Reason – GTPc * Last Session Attempt Start Time - GTPc * Last Session Attempt Network Type – GTPc * Last Session Attempt Activation time – GTPc * Last Action – this is the last action no matter what type of action (i.e. network, service, provisioning, etc.) * Data Quality (based on last 30 minute interval threshold status) – color indicator (red, green, grey)   + **Red (example only)**:     - If the average bandwidth in the last 30 minutes is less than or equal to the threshold value     - If the average session connect time in the last 30 minutes is greater than or equal to the threshold value   + **Green (example only)** - If the average bandwidth in the last 30 minutes is greater than the threshold value AND if the average session connect time in the last 30 minutes is less than the threshold value   + **Grey** – No activity in the last 8 hours to less than 7 days   + Unavailable – ~~Data not available for this IMSI~~ No activity in the last 7 days or more  |  |  | | --- | --- | | **Color** | **Icon** | | Red |  | | Green |  | | Grey (no activity) |  | | Unavailable |  |   *NOTE: Types of records to consider for GTPc: 16, 20, 32, 36* 3.2.1.2.1.4 Display Summary Statistics PCS GUI shall have the ability to display the following Summary Statistics information for the Service Level View:   * Number of Subscribers * Acceptable Data Quality * Unacceptable Data Quality * No Data Activity * Unknown Data Activity * ~~Number Successfully Roaming~~ * ~~Number Unknown~~ * ~~Number in Red (Data QoE being red)~~ * ~~Number Not Roaming~~ * Last Status Change  3.2.2 Monitor My Groups The requirements in this section pertain to the Monitor My Groups page. **3.2.2.1 New Columns for Service Level** PCS GUI shall have the ability to display the following columns on the Monitor My Groups page:   * Acceptable Data Quality * Unacceptable Data Quality * No Data Activity * Unknown Data Activity  ~~Service Level Performance Failures~~ ~~PCS GUI shall have the ability to display a new column for Service Level Performance Failures. This column will include the number of IMSIs whose QoE status is red within a particular group.~~ **3.2.2.2 Link to Service Level View** PCS GUI shall have the ability to hyperlink each count in the Unacceptable Data Quality ~~new Service Level Performance Failures~~ column. This link shall navigate the user to the Service Level View ([section 3.2.1.2](#ServiceLevelView)) on the Monitor My Subscribers page and display the list of IMSIs of the group that was selected from the Unacceptable Data Quality ~~Service Level Performance Failures~~ column. 3.2.3 Escalation Alerts PCS GUI shall have the ability to display escalation alerts for service level. The following shall be displayed for each alert:   * IMSI * MIN * Action Type * Data Quality (visual indicator) * Last Country * Notification Recipient * Notification Sent Timestamp * Group  **3.2.3.1 Add to Working Area** PCS GUI shall provide the user with the ability to add the IMSI with the service level escalation alert to the working area on the service level view. **3.2.3.2 Dismiss Alert** PCS GUI shall provide the user with the ability to dismiss a service level escalation alert. **3.3.1.2 Display Trending Information for Bandwidth Report** The system shall have the ability to have a visual display with the trending information for the specified time interval. The default view will be the last 7 days. The trending information shall be aggregated as follows:   * 1 day or less = hourly * 2 days to 7 days = daily * Over 7 days to 3 months = weekly * Over 3 months to 12 months = monthly  **3.3.2.2 Display Trending Information for Data Session Context Report** The system shall have the ability to have a visual display with the trending information for the specified time interval. The default view will be the last 7 days. The trending information shall be aggregated as follows:   * 1 day or less = hourly * 2 days to 7 days = daily * Over 7 days to 3 months = weekly * Over 3 months to 12 months = monthly  **3.3.3.2 Display Trending Information for Data Session Activation Time Report** The system shall have the ability to have a visual display with the trending information for the specified time interval. The default view will be the last 7 days. The trending information shall be aggregated as follows:   * 1 day or less = hourly * 2 days to 7 days = daily * Over 7 days to 3 months = weekly * Over 3 months to 12 months = monthly  3.3.4 Reports Based on Group(s) ~~Search Criteria~~ The system shall have the ability to display the Bandwidth, Data Session Context, and Data Session Activation Time reports for all of the IMSIs that are included in a group. The user shall be able to select one or many groups. ~~the search results on the Subscriber view of the PCS GUI.~~ | | | | | | | | | | | | | |
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| **Reason for Change (Benefits):**  Provide a narrative of the business and/or technology benefits that will be achieved if the request is approved. | | | | | | | | | | | | |
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| **Implications of Not Making This Change:**  Provide a narrative of the negative impacts to the business, technology, project if the change request is not approved. | | | | | | | | | | | | |
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| **Related Change Requests:**  None | | | | | | Attachments / References:  None | | | | | | |
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| **Comments:** | | | | | | | | | | | | |
| **Sponsor Approval Signature / Date** | | | | | | Provide name of approver and date approved. | | | | | | |
| Change | | | | | | | | | | | | | |
| Approved | | | | Rejected | | | | | Deferred | | | | |
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