Data Communications Company

SEC Modification Proposal, SECMP0067, DCC CR355

Service Request Traffic Management

Working Group 16th March, Reporting

Version:	**0.53**
Date:	**6th April, 2020**
Author:	**DCC**
Classification:	**DCC PUBLIC**

1 Reporting

1.1 Report Wireframes with TOC Resource

Report based on Incident Reports, for an event where the SECMP0067 mechanism might be invoked

1.1.1 SEC Panel Sample Report

The first set of reports are for the SEC Panel, with an overall summary of usage against capacity, and tracking individual users.

Service Request Traffic Management

Volumetrics for SEC Panel

Period Start	01/07/2020
Period End	31/07/2020

Number of Events	Total Duration	Number of SEC Parties
8	00:06:20	3

Figure 1: Sample SEC Panel Report, Front Cover, Volumetrics

Event Details for - SEC Party A

Event ID	Event Start Time	Event End Time	Event Duration	DCC System Capacity	User Allocation %	User Allocation Request/Second	Maximum Request Submission Rate	Total Service Requests Rejected	Total Priority Requests Accepted
Event001	12/07/2020 13:40:13	12/07/2020 13:40:23	00:00:10	1000	7.14%	72	166	514	26
Event002	13/07/2020 14:57:03	13/07/2020 14:58:03	00:01:00	1000	7.14%	72	176	416	21
Event003	18/07/2020 12:15:40	18/07/2020 12:15:45	00:00:05	1000	7.14%	72	210	550	27
Event004	22/07/2020 14:05:45	22/07/2020 14:07:05	00:01:20	1000	7.14%	72	185	609	30
Event005	31/07/2020 20:48:35	31/07/2020 20:49:45	00:01:10	1000	7.14%	72	195	566	28
			`						
			00:03:45						

Event Details for - SEC Party B

Event ID	Event Start Time	Event End Time	Event Duration	DCC System Capacity	User Allocation %	User Allocation Request/Second	Maximum Request Submission Rate	Total Service Requests Rejected	Total Priority Requests Accepted
Event006	10/07/2020 13:40:13	10/07/2020 13:40:23	00:00:10	1000	3.00%	30	47	90	4
Event007	24/07/2020 14:57:03	24/07/2020 14:58:03	00:01:00	1000	3.00%	30	44	137	7
			`						
			00:01:10						

Event Details for - SEC Party C

Event ID	Event Start Time	Event End Time	Event Duration	DCC System Capacity	ser Allocation	User Allocation Request/Second	Maximum Request Submission Rate	Total Service Requests Rejected	Total Priority Requests Accepted
Event001	12/07/2020 13:40:13	12/07/2020 13:40:23	00:00:10	1000	4.50%	45	130	374	19
Event005	31/07/2020 20:48:35	31/07/2020 20:49:45	00:01:10	1000	4.50%	45	118	126	6
Event008	31/07/2020 23:15:40	31/07/2020 23:15:45	00:00:05	1000	4.50%	45	114	144	7
			`						
			00:01:25						

Figure 2: Event Details

Traffic Management Event ID	Log Event Time	Request ID	Service User ID	Device ID	SRV	Rejecte
Event001	12/07/2020 13:40.001	req001	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	8.4	T
Event001	12/07/2020 13:40.002	req002	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	8.9	T
Event001	12/07/2020 13:40.003	req003	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	6.11	T
Event001	12/07/2020 13:40.004	req004	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	7.4	F
Event001	12/07/2020 13:40.005	req005	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	6.2.1	T
Event001	12/07/2020 13:40.006	req006	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	12.1	T
Event001	12/07/2020 13:40.007	req007	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	11.1	T
Event001	12/07/2020 13:40.008	req008	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	12.2	T
Event001	12/07/2020 13:40.009	req009	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	6.2.7	T
Event001	12/07/2020 13:40.010	req010	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	5.2	T

Figure 3: Overall Service Request Details

1.1.2 User Sample Report

These reports give a general status to each user, indicating how much each user used in the previous month.

Service Request Traffic Management

Volumetrics for - A SEC Party

Period Start	01/07/2020
Period End	31/07/2020

Number of Events	Total Duration
5	00:03:10

Figure 4: Sample User Report, Front Cover, Volumetrics

Event Details for - A SEC Party

Event ID	Event Start Time	Event End Time	Event Duration	DCC System Capacity	User Allocation %	User Allocation Request/Second	Maximum Request Submission Rate	Total Service Requests Rejected	Total Priority Requests Accepted
Event001	12/07/2020 13:40:13	12/07/2020 13:40:23	00:00:10	1000	7.14%	72	201	167	8
Event002	13/07/2020 14:57:03	13/07/2020 14:58:03	00:01:00	1000	7.14%	72	161	93	5
Event003	18/07/2020 12:15:40	18/07/2020 12:15:45	00:00:05	1000	7.14%	72	191	260	13
Event004	22/07/2020 14:05:45	22/07/2020 14:07:05	00:01:20	1000	7.14%	72	191	142	7
Event005	31/07/2020 20:48:35	31/07/2020 20:49:10	00:00:35	1000	7.14%	72	188	495	25
			00:03:10						

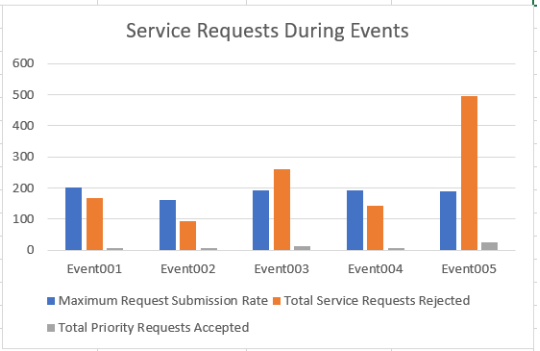

Figure 5: Event Details

Traffic Managem	Log Event Time	Request ID	Service User ID	Device ID	SRV	Rejecte
Event001	12/07/2020 13:40.001	req001	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	8.4	T
Event001	12/07/2020 13:40.002	req002	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	8.9	T
Event001	12/07/2020 13:40.003	req003	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	6.11	T
Event001	12/07/2020 13:40.004	req004	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	7.4	F
Event001	12/07/2020 13:40.005	req005	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	6.2.1	T
Event001	12/07/2020 13:40.006	req006	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	12.1	T
Event001	12/07/2020 13:40.007	req007	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	11.1	T
Event001	12/07/2020 13:40.008	req008	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	12.2	T
Event001	12/07/2020 13:40.009	req009	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	6.2.7	T
Event001	12/07/2020 13:40.010	req010	00-11-22-33-44-55-66-77	xx-xx-xx-xx-xx-xx-xx-xx	5.2	T
Notes						
Rejected Column	T = Request was rejected due to Traffic Management Event					
	F = Request was processed as normal during TM Event as the SRV is on the Priority Request List					

Figure 6: User Service Request Details

Potential SRVs for Inclusion as Priority Service Requests