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| MeETING | European Space Operations Centre  Robert-Bosch-Strasse 5  D-64293 Darmstadt  Germany  T +49 (0)6151 900  F +49 (0)6151 90495  www.esa.int |

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| Meeting Date | 11/01/2017 | Ref : ESA-SSA-DS-MIN-0015 | |
| Meeting Place/Time | H275 | Chairman | Michael Clayton (MC on behalf of GSM) |
| MoM Date | 16/01/2017 | Participants | |  |  | | --- | --- | | Detlef Koschny(DK) | NEO Segment Manager | | Ettore Perozzi (EP) | NEOCC Team Coordinator | | Laura Faggioli (LF) | NEOCC Team | | Marta Ceccaroni (MCe) | NEOCC Team | | Marco Micheli | NEOCC Team | | Laura Fernandez Prieto | Data Systems ICT | | Arturo Vinue Visus (AVV) | Data Systems NEO Manager | | Ana-Maria Teodorescu (AMT) | Deimos | | Claudiu Teodorescu | Deimos | | Matteo Cortese | Serco | |
| Subject | **SSA Data Systems ccb 015** | **Copy** Gianpiero Di Girolamo, Federica Voli, Raphael Schneider , Fabrizio Bernardi | |

| **Description** | **Action** | **Due Date** |
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| This ccb meeting is to flag the current NEO (maintenance) spr’s (in genuine reviewed status ideally pre-filtered by the NEO PRB for proposing a single implementation) requiring authorization and assignment to a release, as well the open **CCB queue** tickets requiring allocation to eg Corrective or Evolutionary Maintenance .   NEO Maint (Reviewed) SxRs ssa\_neo#57 Create Account' button not yet implemented  ssa\_neo#95 Unusual size of database  ssa\_neo#123 Problems NEO – OPE  ssa\_neo#124 Glassfish exceptions – Investigation  ssa\_neo#118 Physical Properties batch import interactive procedure Open CCB queue tickets - Summary1.2.1 Ticket#2016052510000011 — Close encounter diagram problem1.2.1.2 Ticket#2016081110000014 — Wrong semi-major axis uncertainty displayed1.2.3 Ticket#2016081110000023 — Error in comet position displayed in the Comet OVT1.2.4 Ticket#2016091910000052 — NEO Chronology upgrade analysis1.2.5 Ticket#2016091910000061 — Integration of the P2-NEO-VI tools1.2.6 Ticket#2016100410000087 — Remote DB query1.2.7 [Ticket#2017010210000015](http://ssa-owl.ssa.esa.int/otrs/index.pl?Action=AgentTicketZoom;TicketID=153#581) - High CPU usage - NEO FE and NEO BE | DK to discuss with ET #95 again.  ICT to recommend preferred solution to #123/124 | Ccb#16  Ccb#16 |

# Introduction

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| The CCB agrees that the changes under discussion are not impacting the SSA Infrastructure therefore the **SSA Data Systems ccb 015** can take place with the participation of the NEO Segment only. No representatives from other segments are required.  This ccb accepts the MoM from ccb#14 with no changes. |  |

## NEO SxRs current status (previous ccb)

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| Submitted | 10 (9) |
| Reviewed | 5 (6) - (#57,#95, #118 on hold) |

# ssa\_neo#95 Unusual size of database

ccb#14 - DK to discuss with ET #95 again.

Ccb#15 – DK still pending

# ssa\_neo#123 Problems NEO – OPE

RS : This issue is connected to SPR#124 and occurs if the Java garbage collection needs too much CPU time for freeing too less heap space.

There are two options as a solution:

a) (recommended) Increase the assigned heap space of the backend Java VM (as already proposed for SPR#124).

b) Disable the usage of garbage collection overhead limit.

Both options could be done in the Java configuration file.

Ccb#14 – ICT to recommend preferred solution.

Ccb#15 – ICT still pending

# ssa\_neo#124 Glassfish exceptions – Investigation

RS : This error occurs if the assigned memory (heap space) of the Java VM is exhausted.  
This happened because of the increasing amount of objects which needs to be read during the AstDyS update.  
root\_cause: --> Deployment / Other  
workaround: --> Increase the assigned heap space of the backend Java VM. This could be done in the Java configuration file.

Ccb#14 – ICT to recommend preferred solution.

Ccb#15 – ICT still pending

## Open CCB queue tickets

### [Ticket#2016052510000011](http://ssa-owl.ssa.esa.int/otrs/index.pl?Action=AgentTicketZoom;TicketID=90) - Close encounter diagram problem

LF : Test results on IRE: success.  
See TP-P2COMV-POR-01.00.01.00 in sharepoint NEO/NEO-P2COMV/TestReports/COPE-SERCO-RP-16-0059-P2-COM-V.1 Delivery #2 Test Execution Report IRE Deployment.

Ccb#15 needs to schedule deployment on OPE and in which NEO\_Portal version

Ccb#15 AVV – version 1.2.3 at ICT convenience

NB – the rationale for an OPE deployment date should be driven by NEO Segment.

### [Ticket#2016081110000014](http://ssa-owl.ssa.esa.int/otrs/index.pl?Action=AgentTicketZoom;TicketID=123) - Wrong semi-major axis uncertainty displayed

LF : Test results on IRE: success.  
See TP-P2COMV-POR-01.00.01.00 in sharepoint NEO/NEO-P2COMV/TestReports/COPE-SERCO-RP-16-0059-P2-COM-V.1 Delivery #2 Test Execution Report IRE Deployment.

Ccb#15 needs to schedule deployment on OPE and in which NEO\_Portal version

Ccb#15 AVV – version 1.2.3 at ICT convenience

### [Ticket#2016081110000023](http://ssa-owl.ssa.esa.int/otrs/index.pl?Action=AgentTicketZoom;TicketID=124) - Error in comet position displayed in the Comet OVT

LF : Test results on IRE: completed with problems.   
See TP-P2COMV-POR-01.00.03.00 in sharepoint NEO/NEO-P2COMV/TestReports/COPE-SERCO-RP-16-0059-P2-COM-V.1 Delivery #2 Test Execution Report IRE Deployment.

Ccb#15 needs to confirm whether to go ahead with OPE deployment

Ccb#15 AVV – version 1.2.3 at ICT convenience.

Spr #125 was previously raised from the IRE testing during which the new related ticket #2016112410000011 was raised.

### [Ticket#2016091910000052](http://ssa-owl.ssa.esa.int/otrs/index.pl?Action=AgentTicketZoom;TicketID=129) - NEO Chronology upgrade analysis

LF : Test results on IRE: success.  
See TP-P2COMV-POR-01.00.04.00 in sharepoint NEO/NEO-P2COMV/TestReports/COPE-SERCO-RP-16-0059-P2-COM-V.1 Delivery #2 Test Execution Report IRE Deployment.

Ccb#15 needs to schedule deployment on OPE and in which NEO\_Portal version

Ccb#15 AVV – version 1.2.3 at ICT convenience

### [Ticket#2016091910000061](http://ssa-owl.ssa.esa.int/otrs/index.pl?Action=AgentTicketZoom;TicketID=130) — Integration of the P2-NEO-VI tools

Ccb#13 : IRE installation still ongoing. Some issues still pending.

Ccb#14 : IRE installation finished.PrA on Fri 16/12

Ccb#15 : PrA unsuccessful. Some actions still open. Meeting next week. FA end of Jan.

### [Ticket#2016100410000087](http://ssa-owl.ssa.esa.int/otrs/index.pl?Action=AgentTicketZoom;TicketID=141) Remote DB query

Ccb#12 : Ongoing. Update at end of Nov by ET

Ccb#13 : no change

Ccb#14 : no change

Ccb#15 : ET still pending.

### [Ticket#2017010210000015](http://ssa-owl.ssa.esa.int/otrs/index.pl?Action=AgentTicketZoom;TicketID=153#581) High CPU usage - NEO FE and NEO BE

FI : From Dec-31th  to Jan-1st the CPU usage(FE: 45 over 8, BE: 60 over 2) in the front-end and back-end servers is quite high. After analyzing and restarting the servers the CPU comes back to the previous value. Due to no changes were introduced during Christmas period and this is not the nominal scenario, is there any problem related to the NeoDys update?

Ccb#15 : LFP stated that this ticket is related to sprs#123/124

AMT raised the point of unable to access the OTRS queues at all. ICT/MC to clarify the current situation.

MC – There is currently a Deimos user within the OTRS ticketing system with access to both NEO Testers and NeoMaintenance queues although not including the ccb queue.

As Deimos are always in the NEO ccb, it would make sense to allow access to the ccb queue as well.

# Conclusion Summary

The Ccb#15 authorizes the inclusion of the Maint fixes to Tickets **:- no new tickets raised.**

### AOB

MC raised the problem of locating all the source code for the NEO Portal OPE to be loaded into a Master GIT repo on the TST server in the near future possibly using GITLab.

ET stated that he could help with this before the end of Jan.

**Testing cycle**.

The SSA Data System Team will take care of the testing aspect relating to Data System responsibility (PrA on the IRE)

Operational Validation (FA on the OPE) by the NEO CC Operation Team is left to Segment leader / NEO CC discretion. SSA Data System Team will support the FA.

Date on next planned CCB – 25 Jan @1430