PUBLIC

Settlement Risk Report

January 2019

Settlement Operations

V1.0

January 2019

ELEXON

SETTLEMENT RISK REPORT

CONTENTS

SUMMARY OF TOP SETTLEMENT RISKS

SRIN	Risk Description	Noted Controls	Net Sig.
SR0072	The risk that NHHDCs process incorrect Meter readings, resulting in erroneous data being entered into Settlement.	Meter Reading Validation. The NHHDC informs the Supplier of incorrect Meter register mappings. Investigate inconsistencies process. Site visit checks by the NHHDC. EAC/AA validation.	16
SR0074	The risk that NHHDCs do not collect and / or enter valid Meter readings resulting in old/default data entering Settlement.	D0004 (Notification of Failure to Obtain Reading). DC sends D0012 (Confirmation of Inclusion of the Metering Point in the Reading Schedules) (Read Cycle). D0019 (Metering System EAC/AA data) sent to Supplier. D0001 (Request Metering System Investigati	15
SR0024	The risk that NHHMOAs do not provide Meter Technical Details to the correct NHHDCs resulting in Meter readings not being collected.	Underpin – DC can request data from the Supplier. D0170 requests and responses	12
SR0025	The risk that HHMOAs do not provide Meter Technical Details to the correct HHDCs resulting in Meter readings not being collected.	D0170 requests and responses (Cos & CoDC processes only)	12
SR0081	The risk that HHDCs do not process valid HH readings resulting in estimated data being entered into Settlement.	D0012 (Confirmation of Inclusion of the Metering Point in the Reading Schedules) (Read Cycle) is sent by the DC to Supplier. D0036 (Validated Half Hourly Advances for Inclusion in Aggregated Supplier Matrix) is sent to the Supplier. D0022 (Estimated Half	12
SR3019	The risk that Half Hourly Meter Operator Agents (HHMOAs) do not provide correct Meter Technical Details (MTDs), including when HHMOAs make changes to MTDs, to the Half Hourly Data Collector, resulting in Meter readings not being collected or misinterpreted.	COP4 requirements. Proving Test. (If requested) Commissioning. D0001 (Request Metering System Investigation). DC Validation. D0004 Notification of failure to obtain a reading.	12

REFERENCE INFORMATION DESCRIPTION OF PARMS SERIALS (HH)

HH Serials											
Serial	Measurement On	Data Provider	Description	Standard 1	Standard 2	Standard 3	Standard 4	Standard 5	Standard 6	Standard 7	Standard 8
HM11	HHMOA	HHDC	Timely Sending of HH MTDs to HHDCs	Number of D0268s received within the reporting period	Number of D0268s received, following a material change to the metering system, between +1WD and +16WD from MSMTD EFD (before SF)	Number of D0268s received, following a material change to the metering system, between +17WD and +39WD from MSMTD EFD (before R1)	Number of D0268s received, following a material change to the metering system, between +40WD and +84WD from MSMTD EFD (before R2)	Number of D0268s received, following a material change to the metering system, between +85WD and +154WD from MSMTD EFD (before R3)	Number of D0268s received, following a material change to the metering system, between +155WD and +292WD from MSMTD EFD (before RF)	Number of D0268s received, following a material change to the metering system, from +292WD from MSMTD EFD (after RF)	
HM12	HHMOA	New HHMOA, current HHDC, new HHDC	Missing HH MTDs	Number of unique registrations held at any point in the previous 14 months to snapshot day	Number of registrations for which no D0268 is held	Number of D0268s missing between +17WD and +39WD from EFD (before R1)	Number of D0268s missing between +40WD and +84WD from EFD (before R2)	Number of D0268s missing between +85WD and +154WD from EFD (before R3)	Number of D0268s missing between +155WD and +292WD from EFD (before RF)	Number of D0268s missing from +293WD from EFD (after RF)	
HM13	HHMOA	HHDC	Quality of HH MTDs	Total number of D0268s received within the reporting period	Total number of D0268s that are resubmissions with the same EFD and with a key data field change	Number of Metering Systems affected by re-sent MSMTDs					
HM14	HHMOA	HHDC	Timely HH Meter Investigation Requests	Number of D0002s received in Reporting Period	Number of D0002s received between +1WD and +16WD from the Date Fault Suspected/Detected (J1012) (before SF)	Number of D0002s received between +17WD and +39WD from the Date Fault Suspected/Detected (J1012) (before R1)	Number of D0002s received between +39WD and +84WD from the Date Fault Suspected/Detected (J1012) (before R2)	Number of D0002s received between +85WD and +154WD from the Date Fault Suspected/Detected (J1012) (before R3)	Number of D0002s received between +155WD and +292WD from the Date Fault Suspected/Detected (J1012) (before RF)	Number of D0002s received after +293WD from the Date Fault Suspected/Detected (J1012) (after RF)	
SP07	Supplier	SVAA & SMRA	SVAA and SMRA MSID Count	Percentage Difference Between MSID Counts from SVAA and SMRA							
SP08b	Supplier	SVAA	Energy and MSIDs on Actuals	% Energy Settled on Actuals							
SP11	Supplier	HHDC & HHMOA	Timely Appointment of Agents	Number of D0155s received within the reporting period	Number of D0155s not received before EFD within period	Number of D0155s received between +1WD and +16WD from EFD (before SF)	Number of D0155s received between +17WD and +39WD from EFD (before R1)	Number of D0155s received between +40WD and +84WD from EFD (before R2)	Number of D0155s received between +85WD and +154WD from EFD (before R3)	Number of D0155s received between +155WD and +292WD from EFD (before RF)	Number of D0155s received from +293WD from EFD (after RF)
SP12	Supplier	HHDC	Timely Notification of Changes of the Data Aggregator via D0148	Number of D0148s received within the reporting period where DA information is updated	Number of D0148s not received before the EFD of the DA	Number of D0148s received between +1WD and +16WD from EFD (before SF) of the DA	Number of D0148s received between +17WD and +39WD from EFD (before R1) of the DA	Number of D0148s received between +40WD and +84WD from EFD (before R2) of the DA	Number of D0148s received between +85WD and +154WD from EFD (before R3) of the DA	Number of D0148s received between +155WD and +292WD from EFD (before RF) of the DA	Number of D0148s received from +293WD from EFD (after RF) of the DA
SP13	Supplier	HHDC	Timely Notification of Changes of the Meter Operator Agent via D0148	Number of D0148s received within the reporting period where MOA information is updated	Number of D0148s not received before the EFD of the MOA	Number of D0148s received between +1WD and +16WD from EFD (before SF) of the MOA	Number of D0148s received between +17WD and +39WD from EFD (before R1) of the MOA	Number of D0148s received between +40WD and +84WD from EFD (before R2) of the MOA	Number of D0148s received between +85WD and +154WD from EFD (before R3) of the MOA	Number of D0148s received between +155WD and +292WD from EFD (before RF) of the MOA	Number of D0148s received from +293WD from EFD (after RF) of the MOA
SP14	Supplier	HHMOA	Timely Notification of Changes of the Data Collector via D0148	Number of D0148s received within the reporting period where DC information is updated	Number of D0148s not received before the EFD of the DC	Number of D0148s received, where DC information is updated, between +1WD and +16WD from EFD (before SF) of the DC	Number of D0148s received, where DC information is updated, between +17WD and +39WD from EFD (before R1) of the DC	Number of D0148s received, where DC information is updated, between +40WD and +84WD from EFD (before R2) of the DC	Number of D0148s received, where DC information is updated, between +85WD and +154WD from EFD (before R3) of the DC	Number of D0148s received, where DC information is updated, between +155WD and +292WD from EFD (before RF) of the DC	Number of D0148s received, where DC information is updated, from +293WD from EFD (after RF) of the DC
SP15	Supplier	HHDC & HHMOA	Missing Appointment of Agents	Number of unique registrations held in the previous 14 months to snapshot day	Number of registrations for which no D0148 is held	Number of D0148s missing between +17WD and +39WD from EFD (before R1)	Number of D0148s missing between +40WD and +84WD from EFD (before R2)	Number of D0148s missing between +85WD and +154WD from EFD (before R3)	Number of D0148s missing between +155WD and +292WD from EFD (before RF)	Number of D0148s missing from +293WD from EFD (after RF)	

REFERENCE INFORMATION DESCRIPTION OF PARMS SERIALS (NHH)

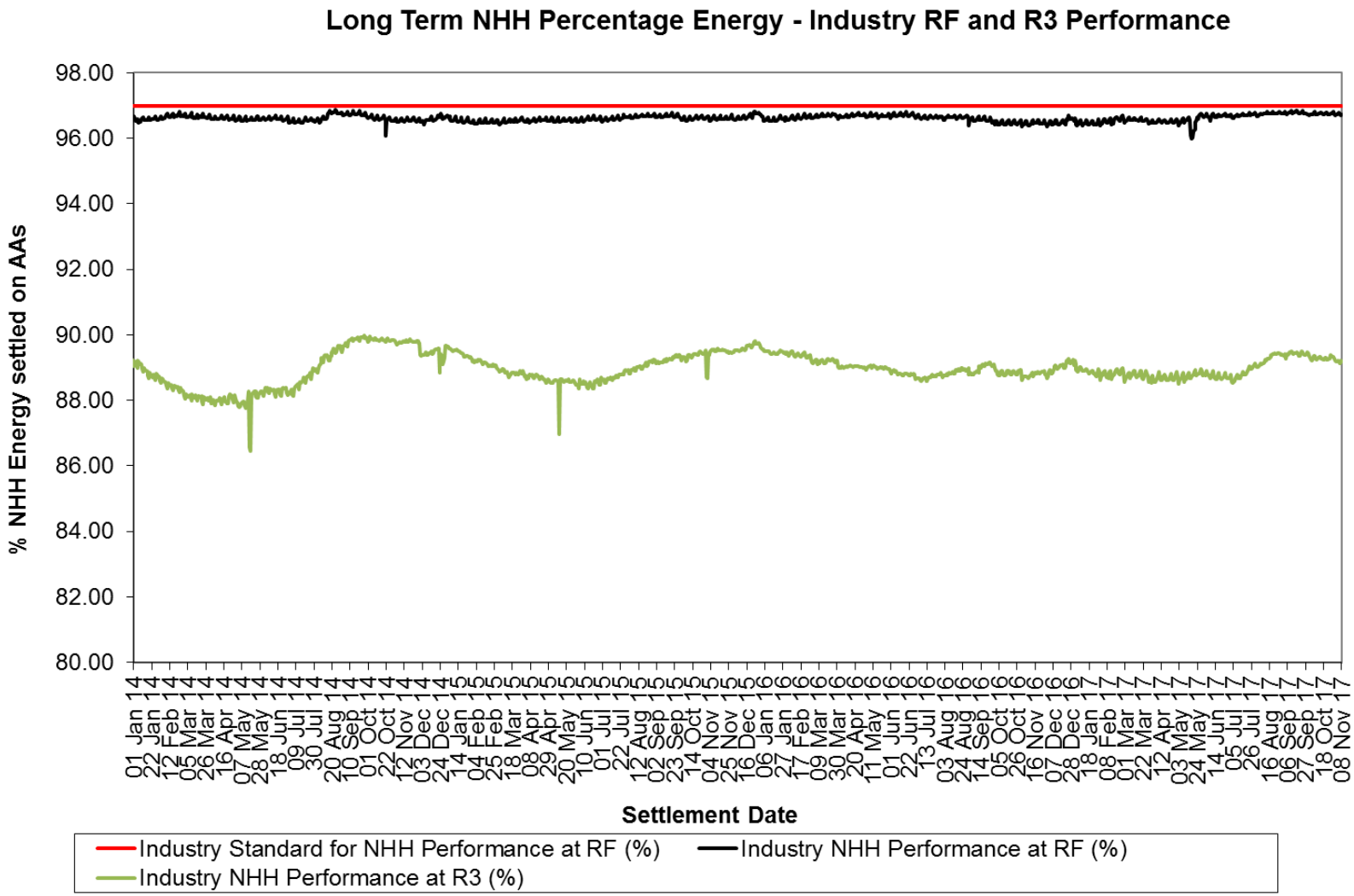
NHH Serials											
Serial	Measurement On	Data Provider	Description	Standard 1	Standard 2	Standard 3	Standard 4	Standard 5	Standard 6	Standard 7	Standard 8
NC11	Old NHHDC	New NHHDC	Missing NHH Meter Reads & History from Old NHHDC to New NHHDC	Number of unique registrations held at any point in the previous 14 months to snapshot day	Number of registrations for which no D0010 and D0152 is held	Number of D0010 and D0152s missing between +17WD and +39WD from EFD (before R1)	Number of D0010 and D0152s missing between +40WD and +84WD from EFD (before R2)	Number of D0010 and D0152s missing between +85WD and +154WD from EFD (before R3)	Number of D0010 and D0152s missing between +155WD and +292WD from EFD (before RF)	Number of D0010 and D0152s missing from +293WD from EFD (after RF)	
NM11	NHHMOA	NHHDC	Timely Sending of NHH MTDs to NHHDCs	Number of D0150s received, following a material change to the Meter System, within the reporting period	Number of D0150s received, following a material change to the metering system, between +1WD and +16WD from MSMTD EFD (before SF)	Number of D0150s received, following a material change to the metering system, between +17WD and +39WD from MSMTD EFD (before R1)	Number of D0150s received, following a material change to the metering system, between +40WD and +84WD from MSMTD EFD (before R2)	Number of D0150s received, following a material change to the metering system, between +85WD and +154WD from MSMTD EFD (before R3)	Number of D0150s received, following a material change to the metering system, between +155WD and +292WD from MSMTD EFD (before RF)	Number of D0150s received, following a material change to the metering system, from +292WD from MSMTD EFD (after RF)	
NM12	NHHMOA	New NHHMOA, current NHHDC, new NHHDC	Missing NHH MTDs	Number of unique registrations held at any point in the previous 14 months to snapshot day	Number of registrations for which no D0150 is held	Number of D0150s missing between +17WD and +39WD from EFD (before R1)	Number of D0150s missing between +40WD and +84WD from EFD (before R2)	Number of D0150s missing between +85WD and +154WD from EFD (before R3)	Number of D0150s missing between +155WD and +292WD from EFD (before RF)	Number of D0150s missing from +293WD from EFD (after RF)	
SP04	Supplier	Supplier	Installation of HH Metering	Number of NHH MSIDs Requiring HH Metering							
SP07	Supplier	SVAA & SMRA	SVAA and SMRA MSID Count	Percentage Difference Between MSID Counts from SVAA and SMRA							
SP08a	Supplier	SVAA	Energy and MSIDs on Actuals	% Energy Settled on Actuals							
SP11	Supplier	NHHDC & NHHMOA	Timely Appointment of Agents	Number of D0155s received within the reporting period	Number of D0155s not received before EFD within period	Number of D0155s received between +1WD and +16WD from EFD (before SF)	Number of D0155s received between +17WD and +39WD from EFD (before R1)	Number of D0155s received between +40WD and +84WD from EFD (before R2)	Number of D0155s received between +85WD and +154WD from EFD (before R3)	Number of D0155s received between +155WD and +292WD from EFD (before RF)	Number of D0155s received from +293WD from EFD (after RF)
SP12	Supplier	NHHDC	Timely Notification of Changes of the Data Aggregator via D0148	Number of D0148s received within the reporting period where DA information is updated	Number of D0148s not received before the EFD of the DA	Number of D0148s received between +1WD and +16WD from EFD (before SF) of the DA	Number of D0148s received between +17WD and +39WD from EFD (before R1) of the DA	Number of D0148s received between +40WD and +84WD from EFD (before R2) of the DA	Number of D0148s received between +85WD and +154WD from EFD (before R3) of the DA	Number of D0148s received between +155WD and +292WD from EFD (before RF) of the DA	Number of D0148s received from +293WD from EFD (after RF) of the DA
SP13	Supplier	NHHDC	Timely Notification of Changes of the Meter Operator Agent via D0148	Number of D0148s received within the reporting period where MOA information is updated	Number of D0148s not received before the EFD of the MOA	Number of D0148s received between +1WD and +16WD from EFD (before SF) of the MOA	Number of D0148s received between +17WD and +39WD from EFD (before R1) of the MOA	Number of D0148s received between +40WD and +84WD from EFD (before R2) of the MOA	Number of D0148s received between +85WD and +154WD from EFD (before R3) of the MOA	Number of D0148s received between +155WD and +292WD from EFD (before RF) of the MOA	Number of D0148s received from +293WD from EFD (after RF) of the MOA
SP14	Supplier	NHHMOA	Timely Notification of Changes of the Data Collector via D0148	Number of D0148s received within the reporting period where DC information is updated	Number of D0148s not received before the EFD of the DC	Number of D0148s received, where DC information is updated, between +1WD and +16WD from EFD (before SF) of the DC	Number of D0148s received, where DC information is updated, between +17WD and +39WD from EFD (before R1) of the DC	Number of D0148s received, where DC information is updated, between +40WD and +84WD from EFD (before R2) of the DC	Number of D0148s received, where DC information is updated, between +85WD and +154WD from EFD (before R3) of the DC	Number of D0148s received, where DC information is updated, between +155WD and +292WD from EFD (before RF) of the DC	Number of D0148s received, where DC information is updated, from +293WD from EFD (after RF) of the DC
SP15	Supplier	NDDC & NHHMOA	Missing Appointment of Agents	Number of unique registrations held in the previous 14 months to snapshot day	Number of registrations for which no D0148 is held	Number of D0148s missing between +17WD and +39WD from EFD (before R1)	Number of D0148s missing between +40WD and +84WD from EFD (before R2)	Number of D0148s missing between +85WD and +154WD from EFD (before R3)	Number of D0148s missing between +155WD and +292WD from EFD (before RF)	Number of D0148s missing from +293WD from EFD (after RF)	

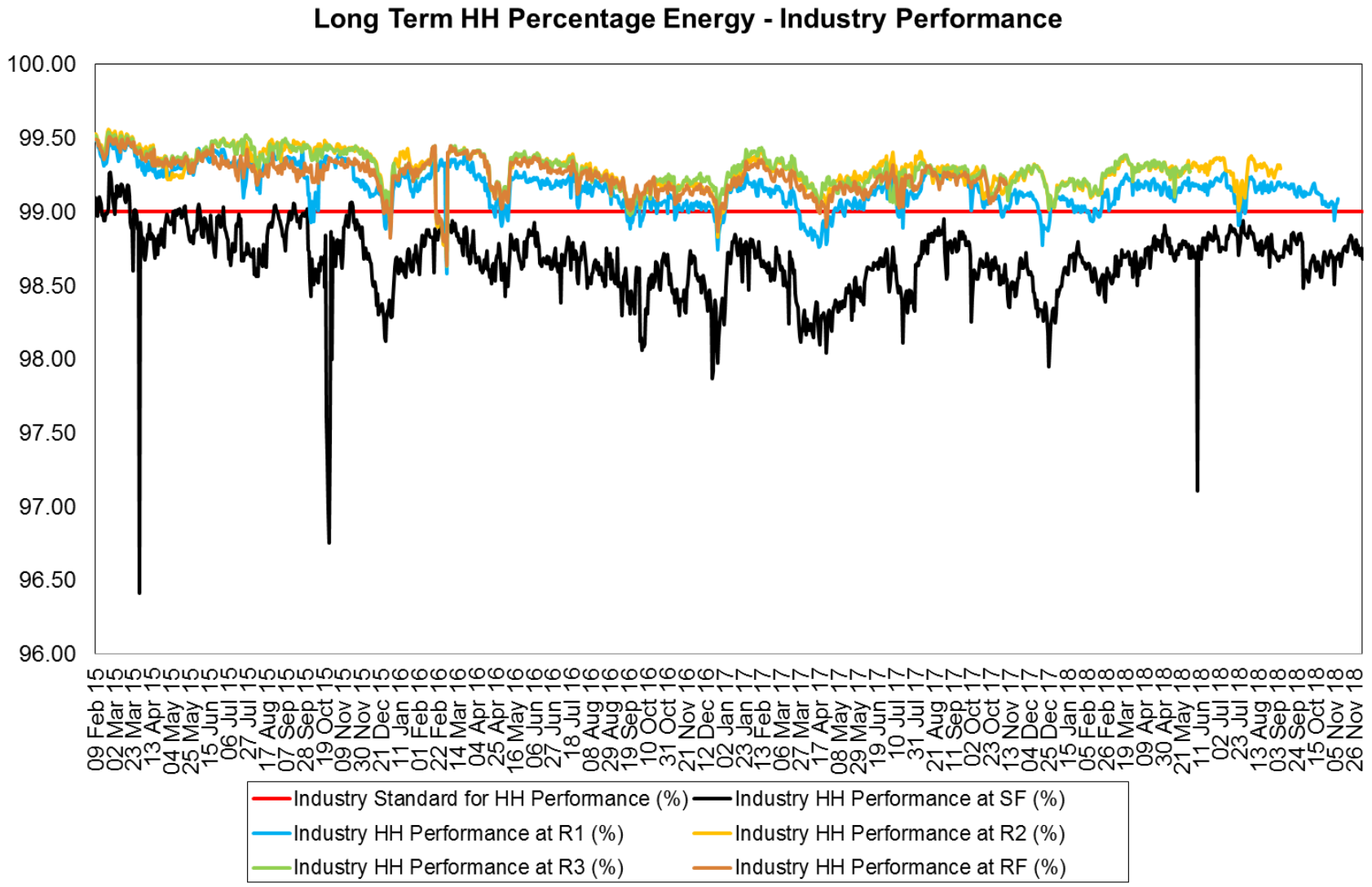
LINK TO TRADING OPERATION'S REPORT

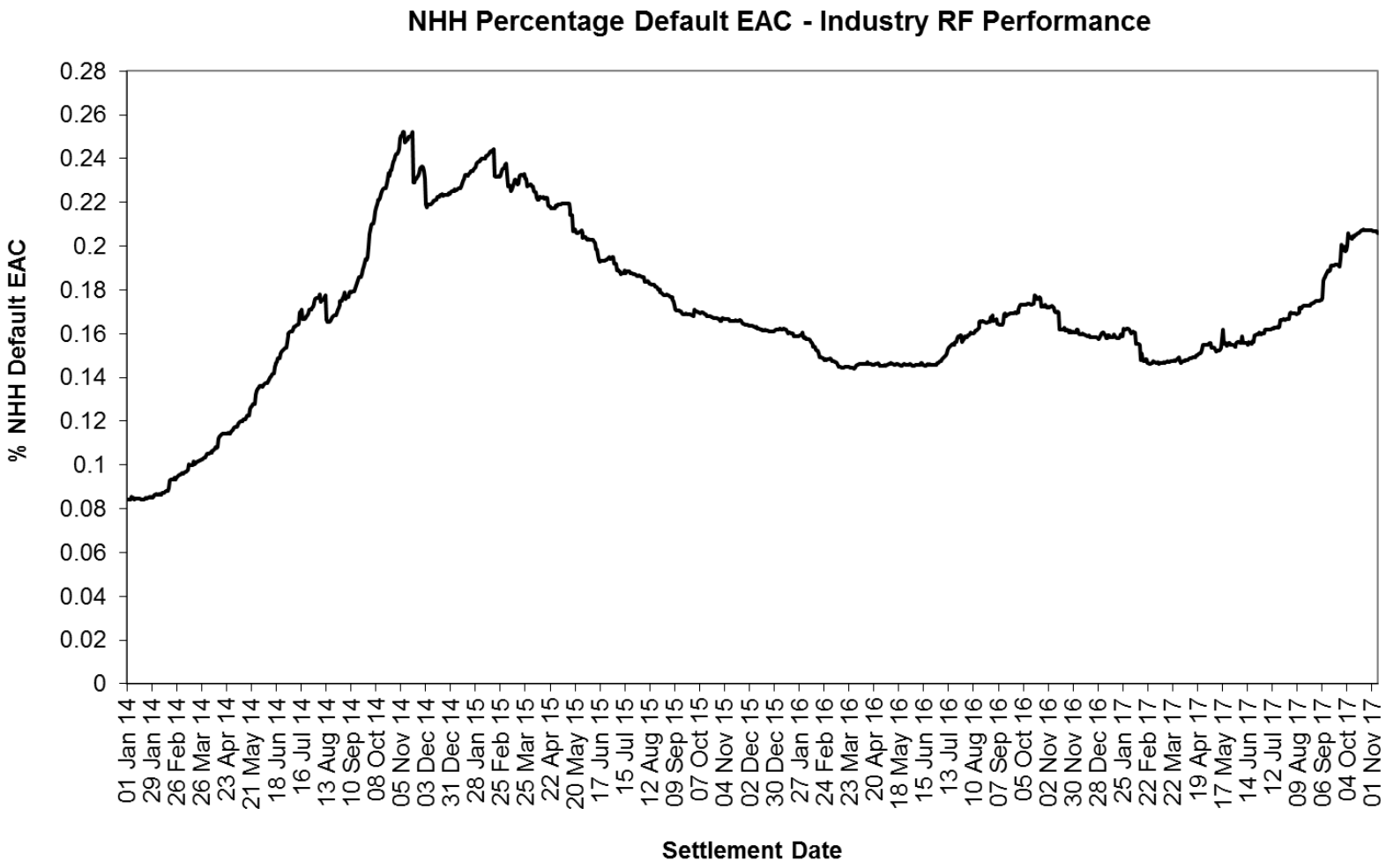
For GSP Group Maps and other relevant information please refer to the latest Trading Operations Report;

https://www.elexon.co.uk/about/industry-insights/bsc-trading-operations-reports/

PERFORMANCE DATA RELATING TO TOP SETTLEMENT RISKS




Long Term HH Percentage Energy - Industry Performance
100.00
99.50
99.00
98.50
98.00
97.50
97.00
96.50
96.00
09 Feb 15
02 Mar 15
23 Mar 15
13 Apr 15
04 May 15
25 May 15
15 Jun 15
06 Jul 15
27 Jul 15
17 Aug 15
07 Sep 15
28 Sep 15
19 Oct 15
09 Nov 15
30 Nov 15
21 Dec 15
11 Jan 16
01 Feb 16
22 Feb 16
14 Mar 16
04 Apr 16
25 Apr 16
16 May 16
06 Jun 16
27 Jun 16
18 Jul 16
08 Aug 16
29 Aug 16
19 Sep 16
10 Oct 16
31 Oct 16
21 Nov 16
12 Dec 16
02 Jan 17
23 Jan 17
13 Feb 17
06 Mar 17
27 Mar 17
17 Apr 17
08 May 17
29 May 17
19 Jun 17
10 Jul 17
31 Jul 17
21 Aug 17
11 Sep 17
02 Oct 17
23 Oct 17
13 Nov 17
04 Dec 17
25 Dec 17
15 Jan 18
05 Feb 18
26 Feb 18
19 Mar 18
09 Apr 18
30 Apr 18
21 May 18
11 Jun 18
02 Jul 18
23 Jul 18
13 Aug 18
03 Sep 18
24 Sep 18
15 Oct 18
05 Nov 18
26 Nov 18
Industry Standard for HH Performance (%)
Industry HH Performance at SF (%)
Industry HH Performance at R1 (%)
Industry HH Performance at R2 (%)
Industry HH Performance at R3 (%)
Industry HH Performance at RF (%)


NHH Percentage Default EAC - Industry RF Performance
% NHH Default EAC
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
01 Jan 14
29 Jan 14
26 Feb 14
26 Mar 14
23 Apr 14
21 May 14
18 Jun 14
16 Jul 14
13 Aug 14
10 Sep 14
08 Oct 14
05 Nov 14
03 Dec 14
31 Dec 14
28 Jan 15
25 Feb 15
25 Mar 15
22 Apr 15
20 May 15
17 Jun 15
15 Jul 15
12 Aug 15
09 Sep 15
07 Oct 15
04 Nov 15
02 Dec 15
30 Dec 15
27 Jan 16
24 Feb 16
23 Mar 16
20 Apr 16
18 May 16
15 Jun 16
13 Jul 16
10 Aug 16
07 Sep 16
05 Oct 16
02 Nov 16
30 Nov 16
28 Dec 16
25 Jan 17
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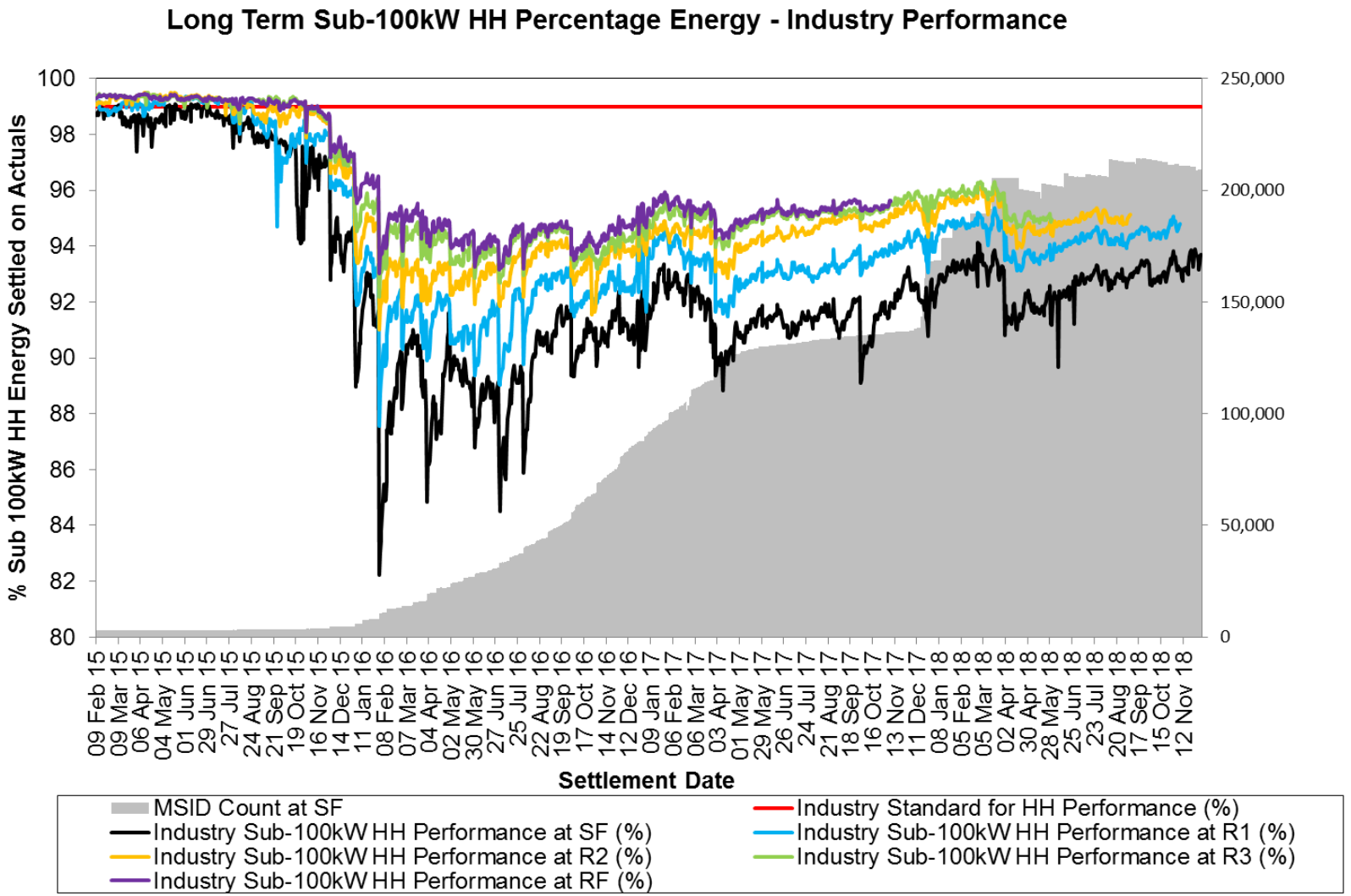
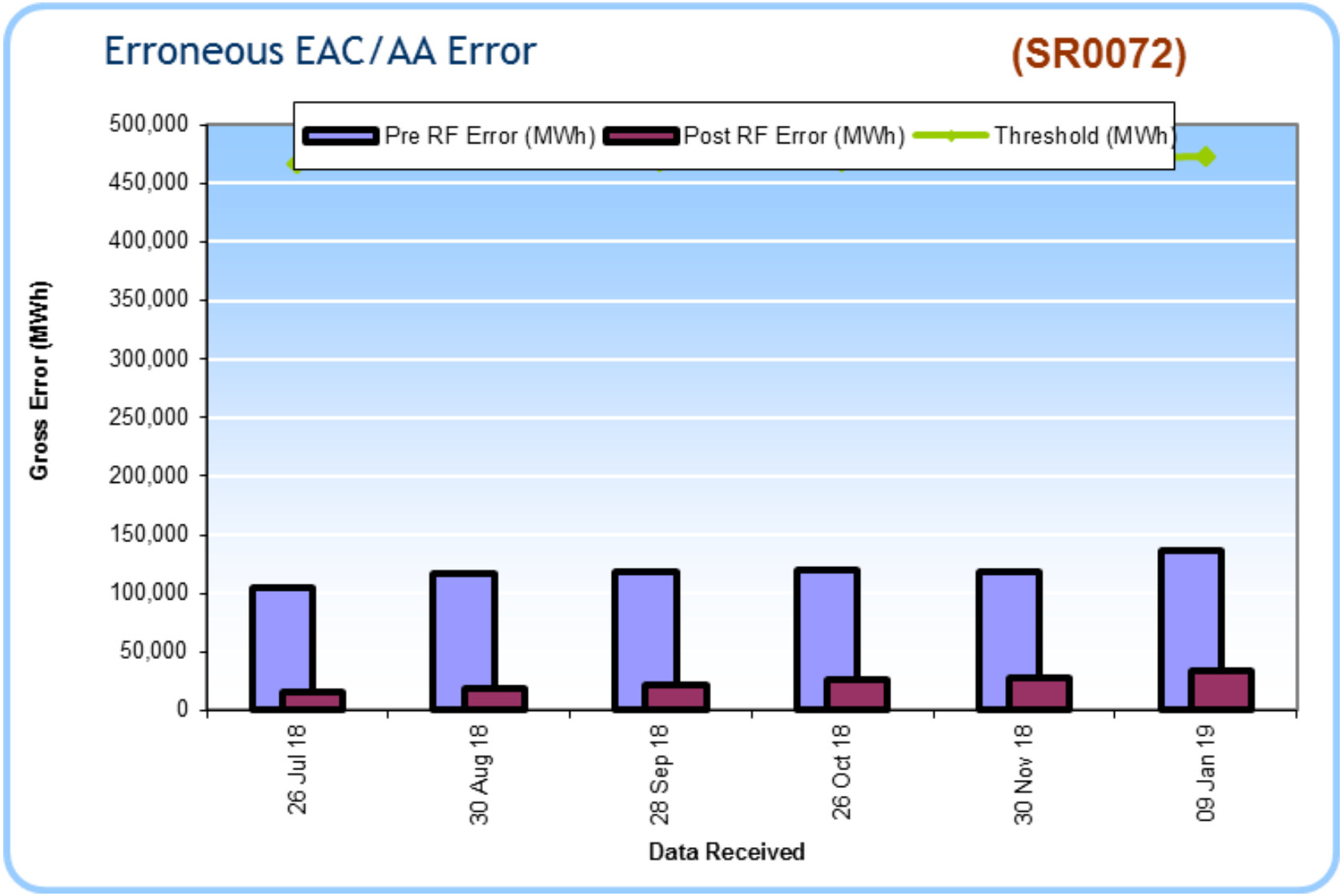
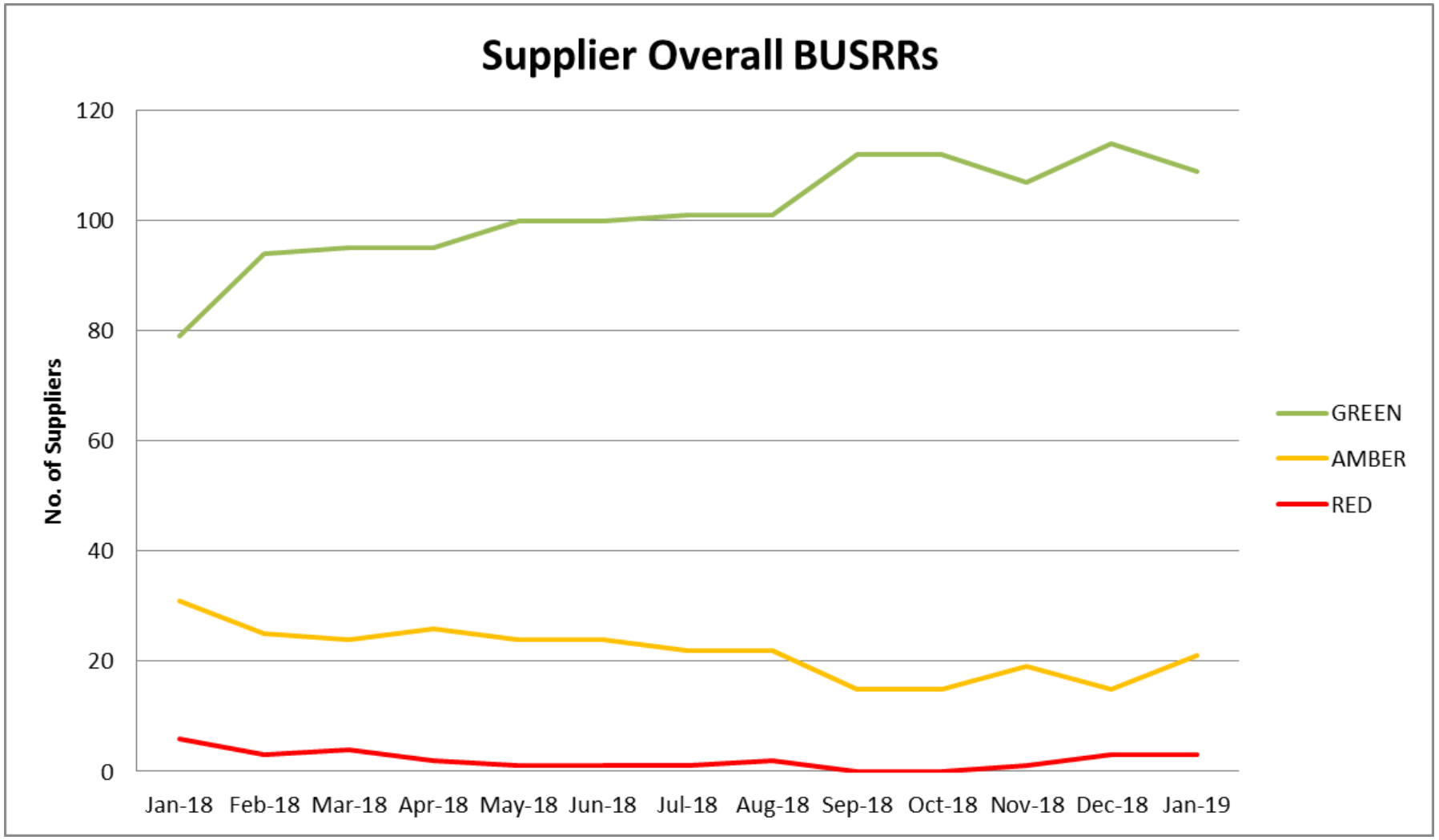
12 Jul 17
09 Aug 17
06 Sep 17
04 Oct 17
01 Nov 17
Settlement Date

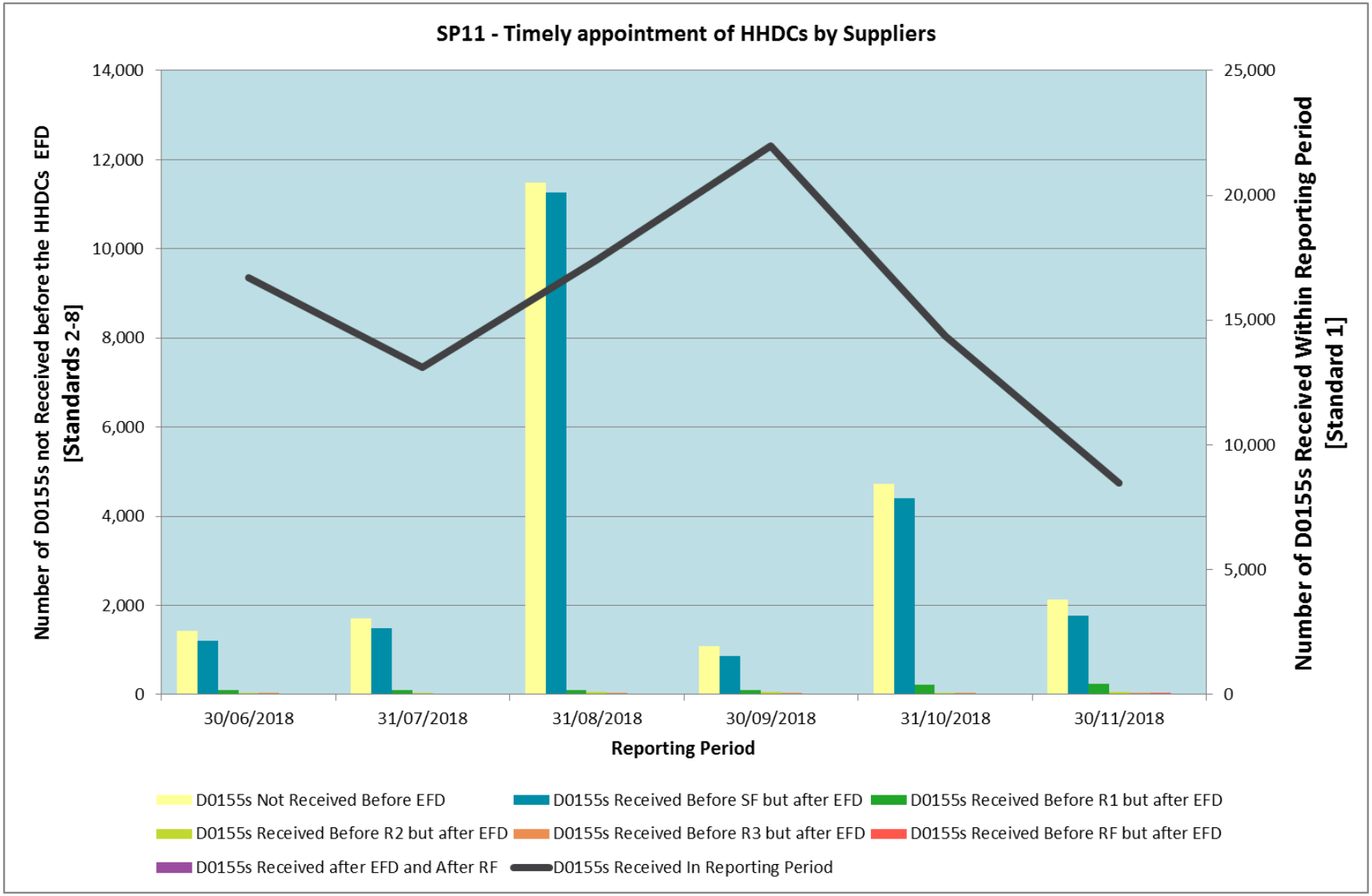

Long Term Sub-100kW HH Percentage Energy - Industry Performance
% Sub 100kW HH Energy Settled on Actuals
100
98
96
94
92
90
88
86
84
82
80
250,000
200,000
150,000
100,000
50,000
0
09 Feb 15
09 Mar 15
06 Apr 15
04 May 15
01 Jun 15
29 Jun 15
27 Jul 15
24 Aug 15
21 Sep 15
19 Oct 15
16 Nov 15
14 Dec 15
11 Jan 16
08 Feb 16
07 Mar 16
04 Apr 16
02 May 16
30 May 16
27 Jun 16
25 Jul 16
22 Aug 16
19 Sep 16
17 Oct 16
14 Nov 16
12 Dec 16
09 Jan 17
06 Feb 17
06 Mar 17
03 Apr 17
01 May 17
29 May 17
26 Jun 17
24 Jul 17
21 Aug 17
18 Sep 17
16 Oct 17
13 Nov 17
11 Dec 17
08 Jan 18
05 Feb 18
05 Mar 18
02 Apr 18
30 Apr 18
28 May 18
25 Jun 18
23 Jul 18
20 Aug 18
17 Sep 18
15 Oct 18
12 Nov 18
Settlement Date
MSID Count at SF
Industry Standard for HH Performance (%)
Industry Sub-100kW HH Performance at SF (%)
Industry Sub-100kW HH Performance at R1 (%)
Industry Sub-100kW HH Performance at R2 (%)
Industry Sub-100kW HH Performance at R3 (%)
Industry Sub-100kW HH Performance at RF (%)

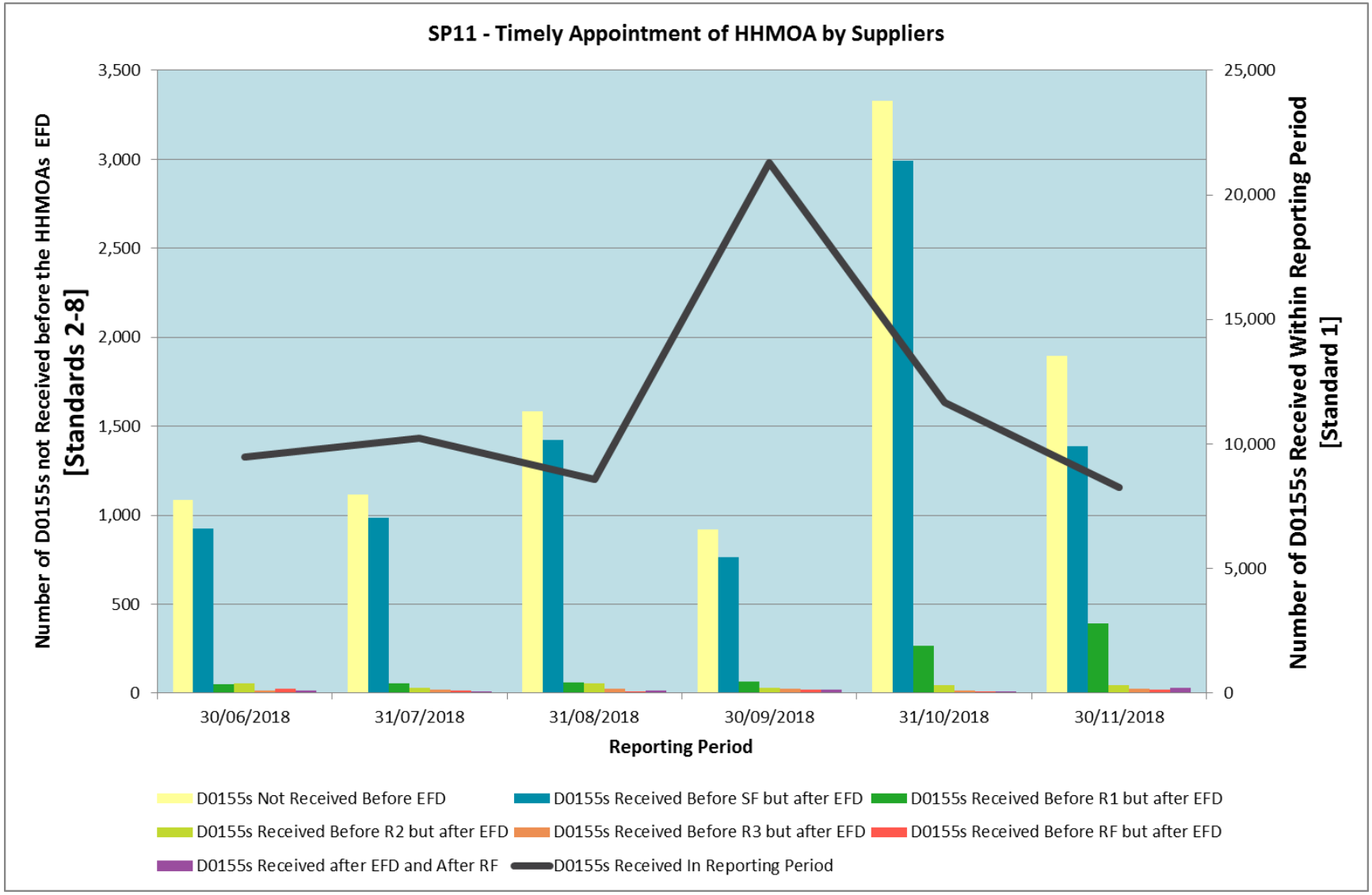

Erroneous EAC/AA Error
(SR0072)
Pre RF Error (MWh)
Post RF Error (MWh)
Threshold (MWh)
Gross Error (MWh)
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
26 Jul 18
30 Aug 18
28 Sep 18
26 Oct 18
30 Nov 18
09 Jan 19
Data Received

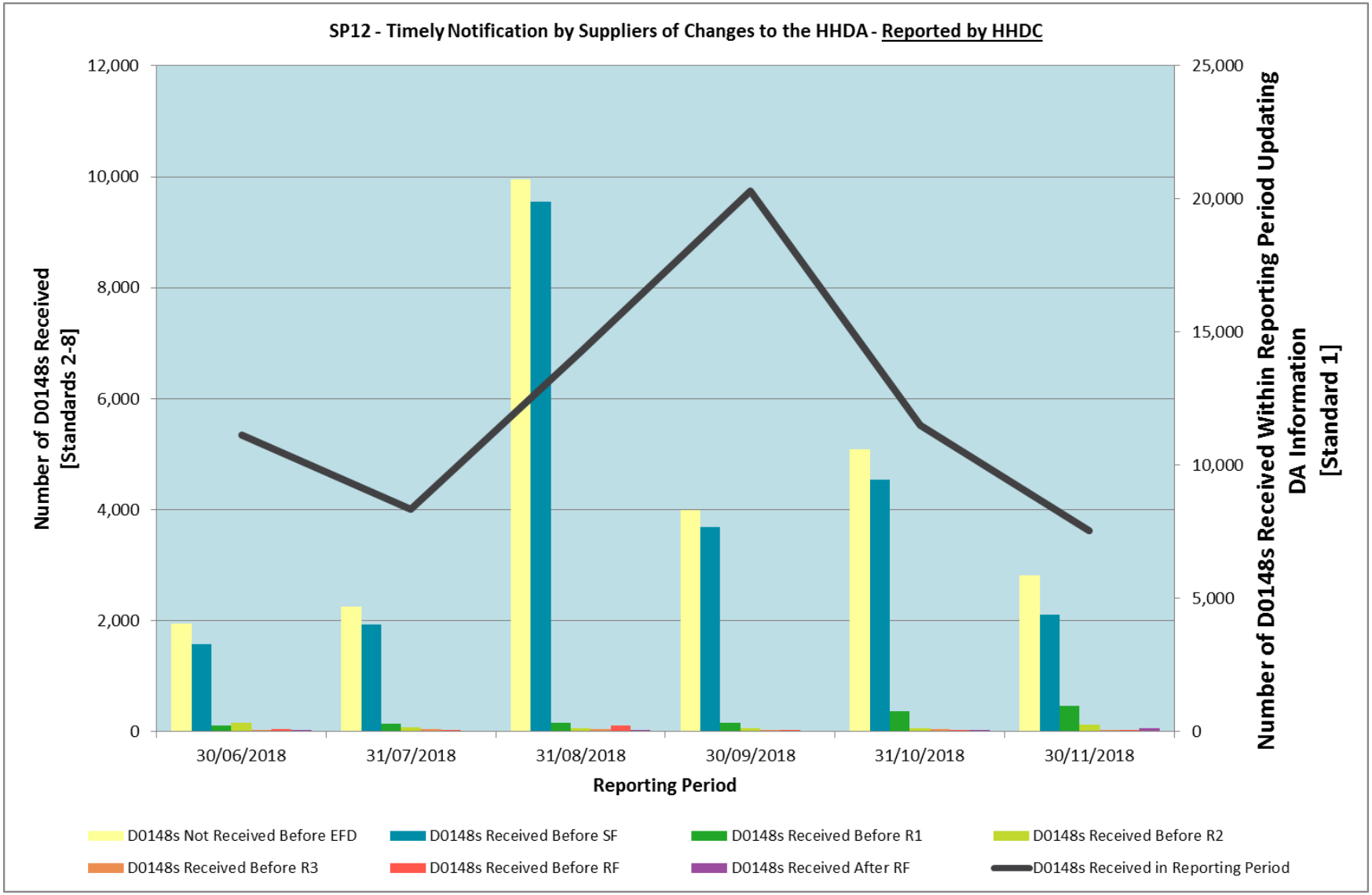
13 MONTH BUSINESS UNIT SETTLEMENT RISK RATING TREND

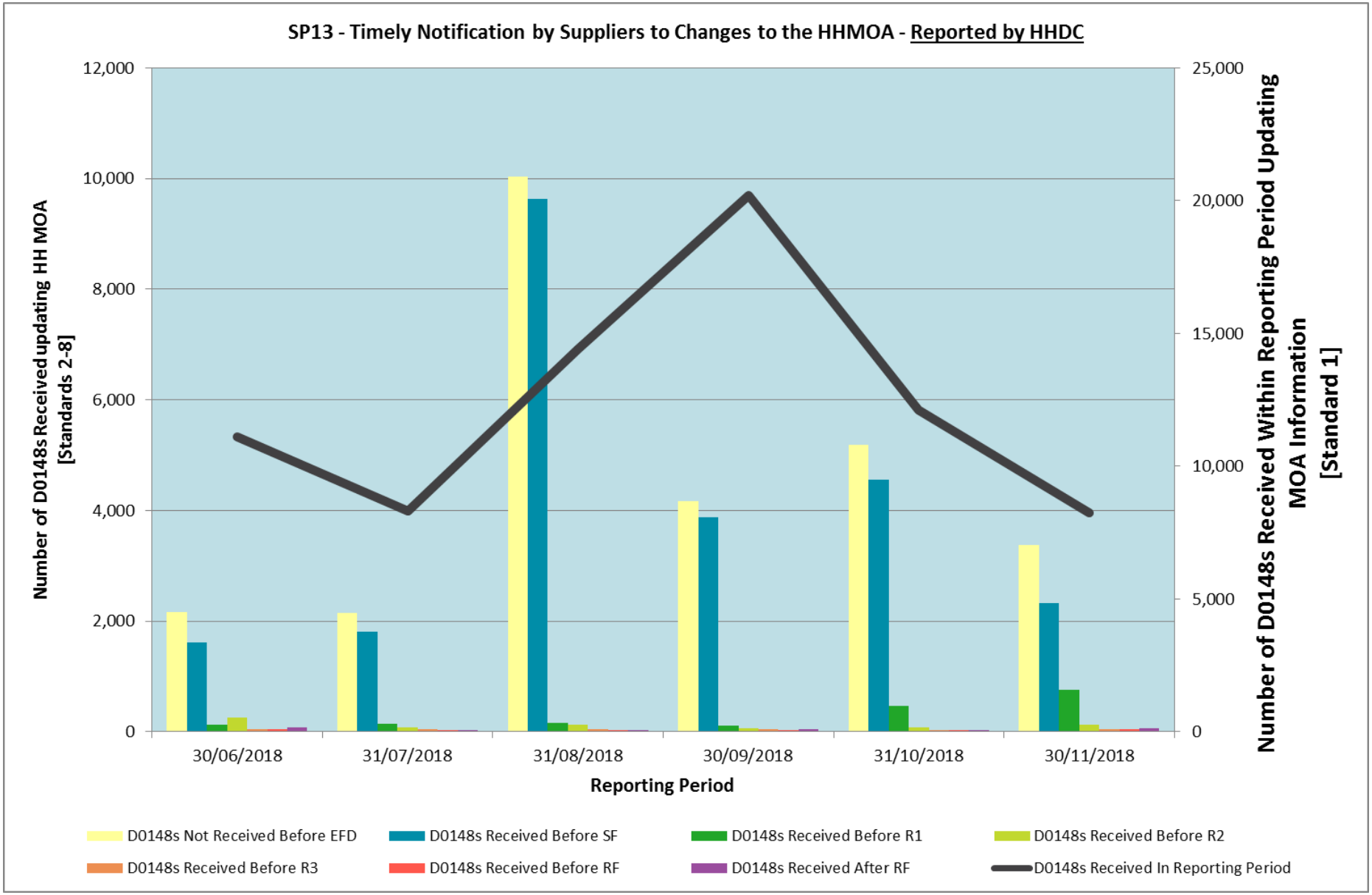


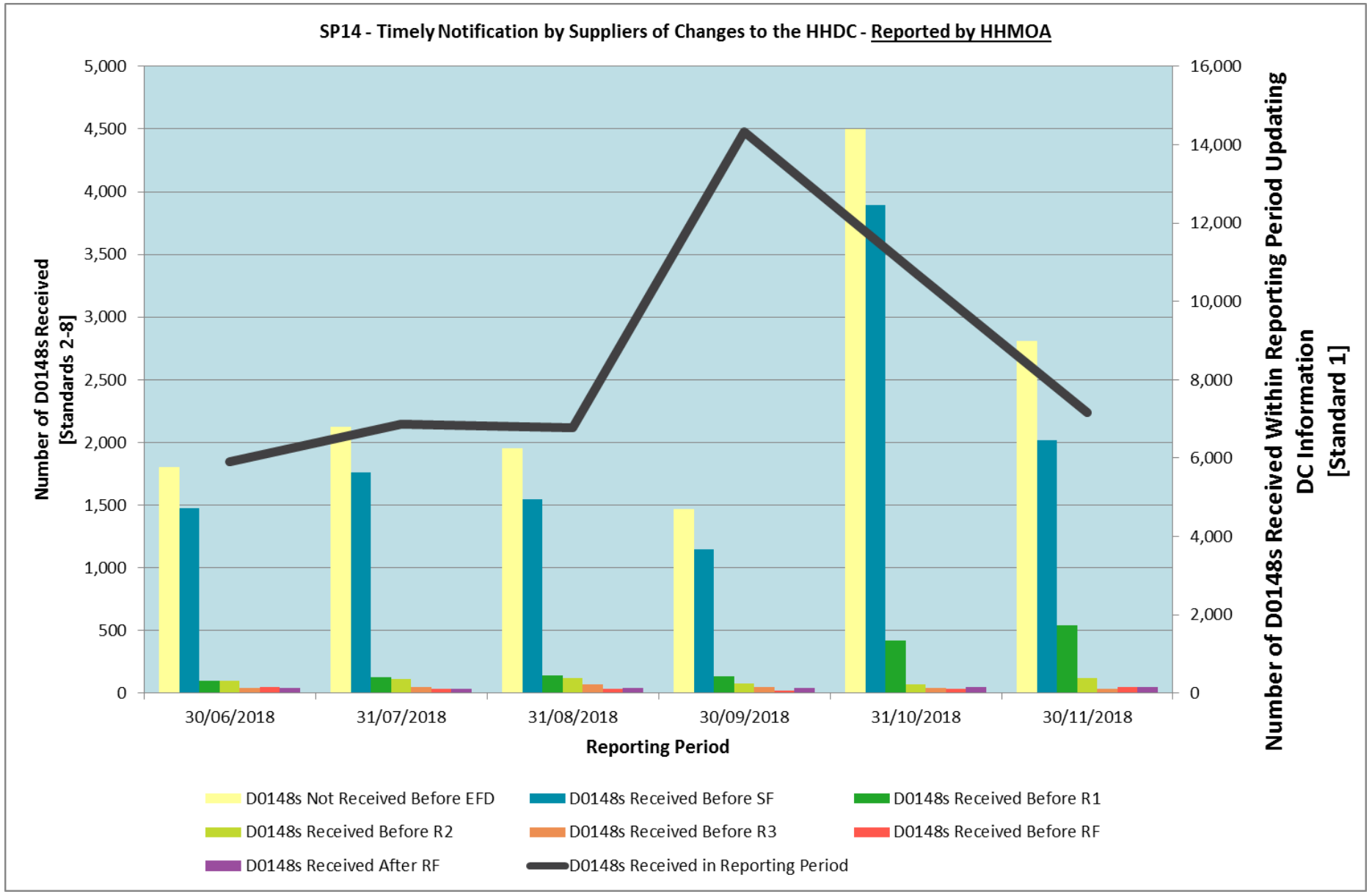
PARMS SERIAL GRAPHS (HH SUPPLIER)

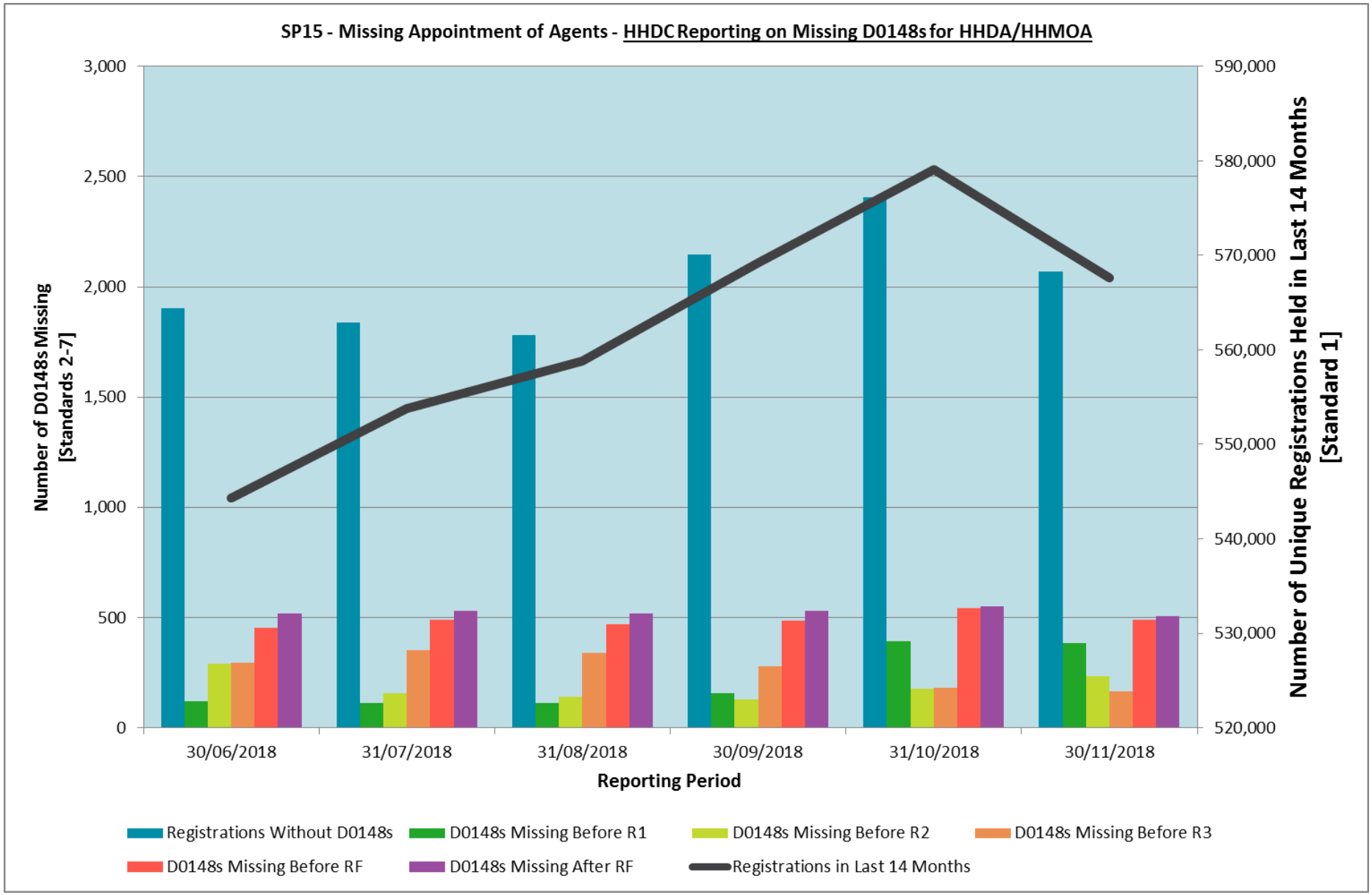


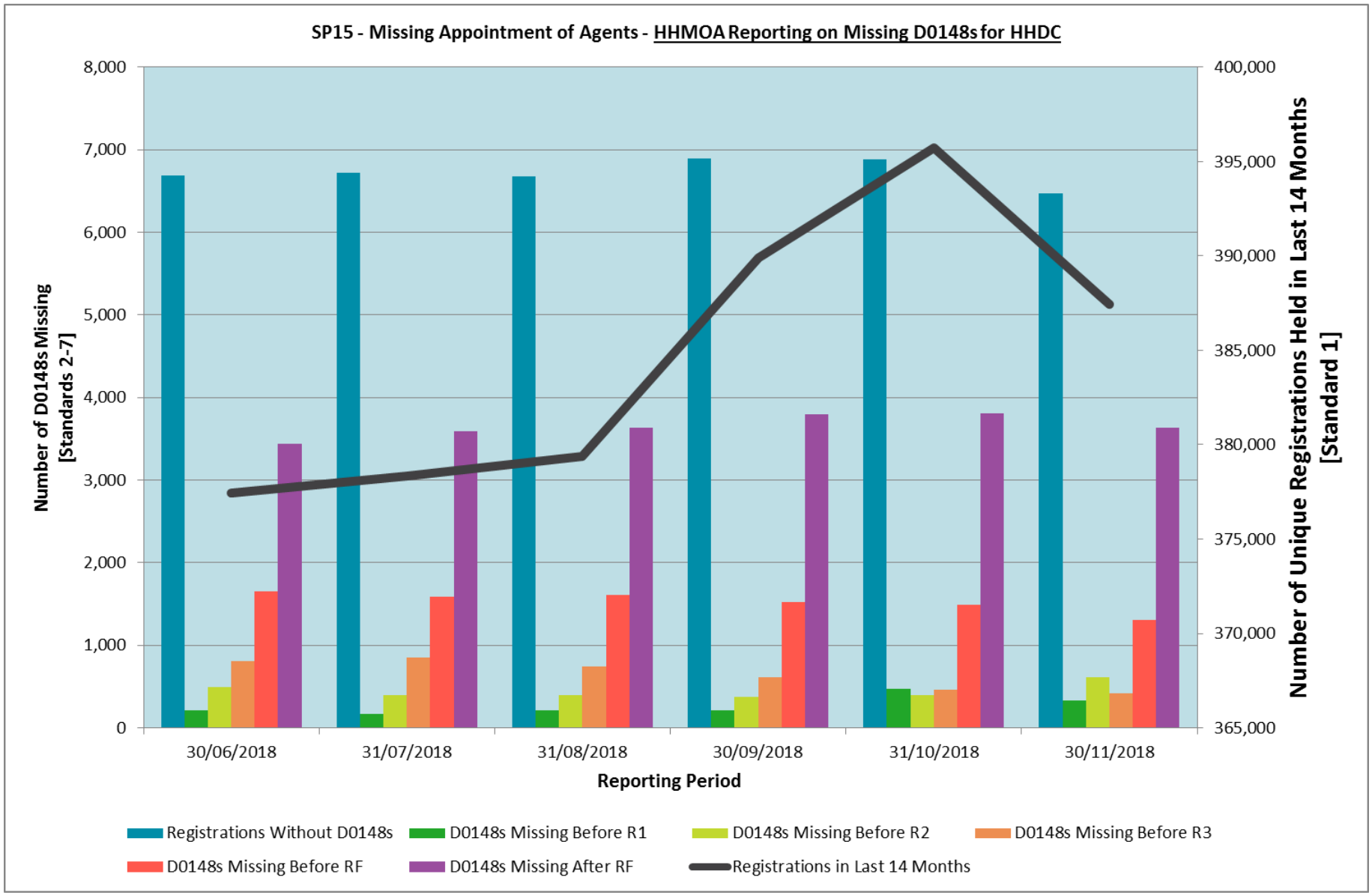

SP11 - Timely Appointment of HHMOA by Suppliers
Number of D0155s not Received before the HHMOAs EFD [Standards 2-8]
Number of D0155s Received Within Reporting Period [Standard 1]
3,500
3,000
2,500
2,000
1,500
1,000
500
0
25,000
20,000
15,000
10,000
5,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0155s Not Received Before EFD
D0155s Received Before SF but after EFD
D0155s Received Before R1 but after EFD
D0155s Received Before R2 but after EFD
D0155s Received Before R3 but after EFD
D0155s Received Before RF but after EFD
D0155s Received after EFD and After RF
D0155s Received In Reporting Period


SP12 - Timely Notification by Suppliers of Changes to the HHDA - Reported by HHDC
Number of D0148s Received [Standards 2-8]
Number of D0148s Received Within Reporting Period Updating DA Information [Standard 1]
12,000
10,000
8,000
6,000
4,000
2,000
0
25,000
20,000
15,000
10,000
5,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0148s Not Received Before EFD
D0148s Received Before SF
D0148s Received Before R1
D0148s Received Before R2
D0148s Received Before R3
D0148s Received Before RF
D0148s Received After RF
D0148s Received in Reporting Period

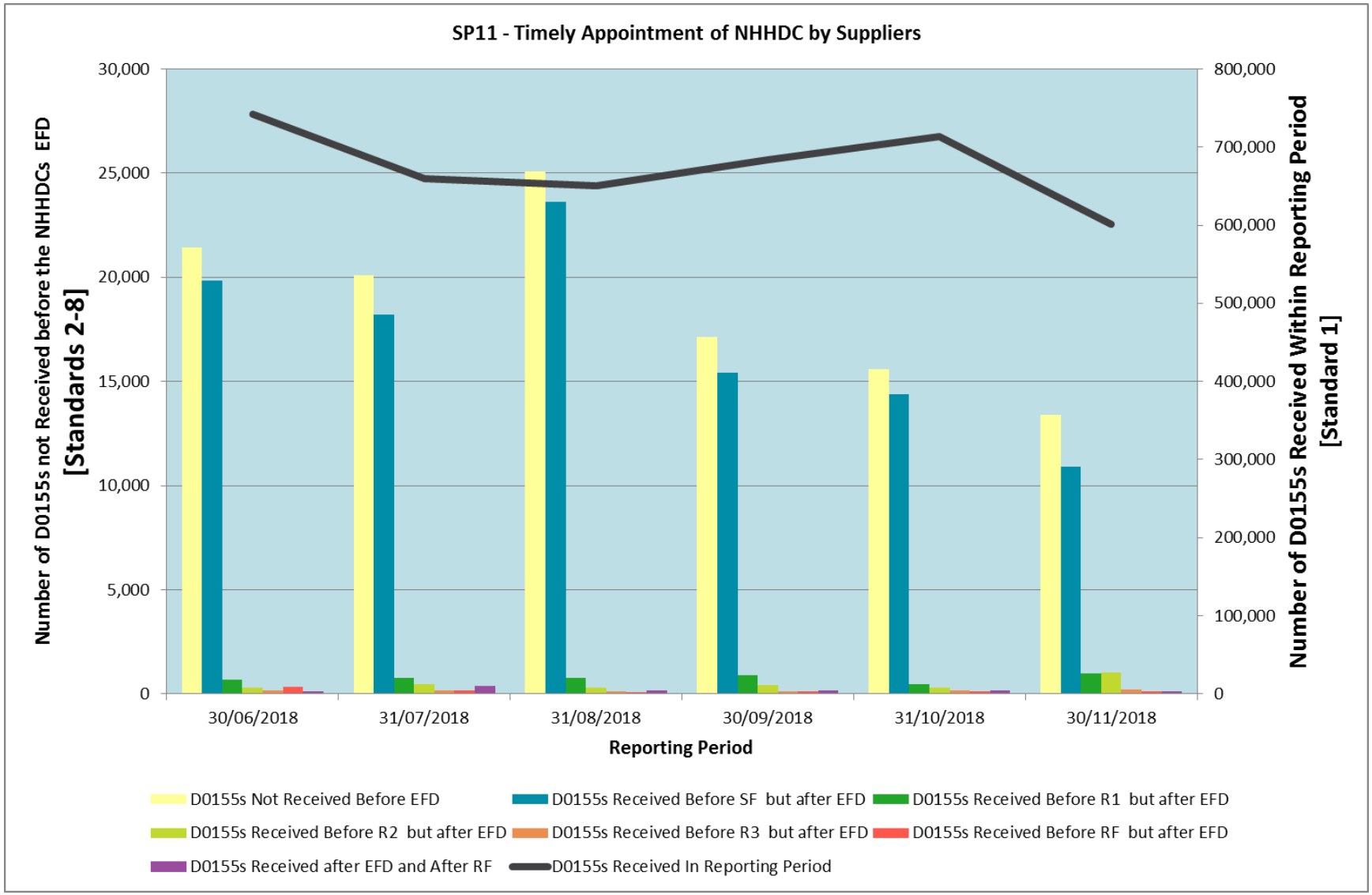

SP13 - Timely Notification by Suppliers to Changes to the HHMOA - Reported by HHDC
Number of D0148s Received updating HH MOA [Standards 2-8]
Number of D0148s Received Within Reporting Period Updating MOA Information [Standard 1]
12,000
10,000
8,000
6,000
4,000
2,000
0
25,000
20,000
15,000
10,000
5,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0148s Not Received Before EFD
D0148s Received Before SF
D0148s Received Before R1
D0148s Received Before R2
D0148s Received Before R3
D0148s Received Before RF
D0148s Received After RF
D0148s Received In Reporting Period

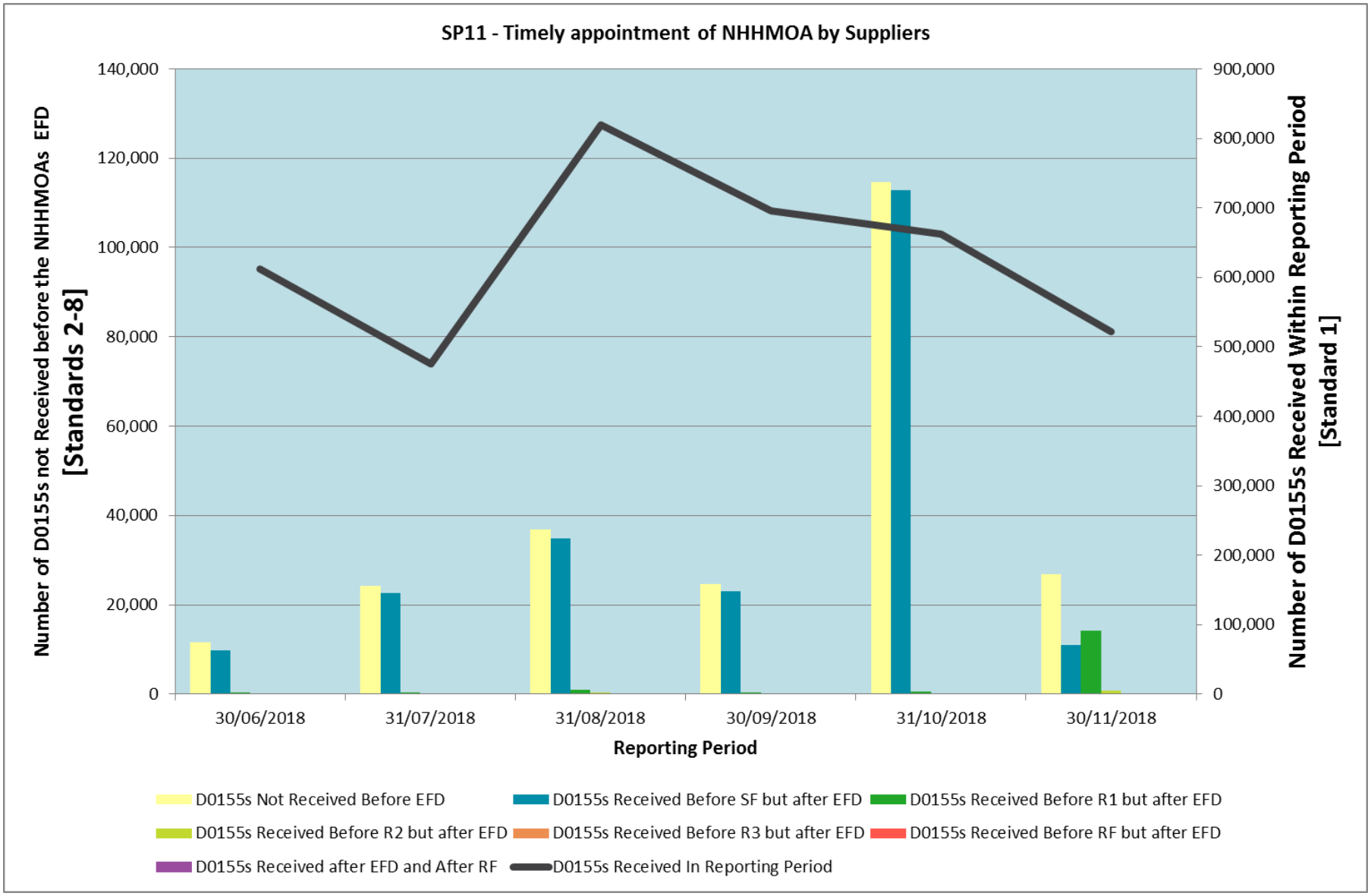

SP14 - Timely Notification by Suppliers of Changes to the HHDC - Reported by HHMOA
Number of D0148s Received [Standards 2-8]
Number of D0148s Received Within Reporting Period Updating DC Information [Standard 1]
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0148s Not Received Before EFD
D0148s Received Before SF
D0148s Received Before R1
D0148s Received Before R2
D0148s Received Before R3
D0148s Received Before RF
D0148s Received After RF
D0148s Received in Reporting Period

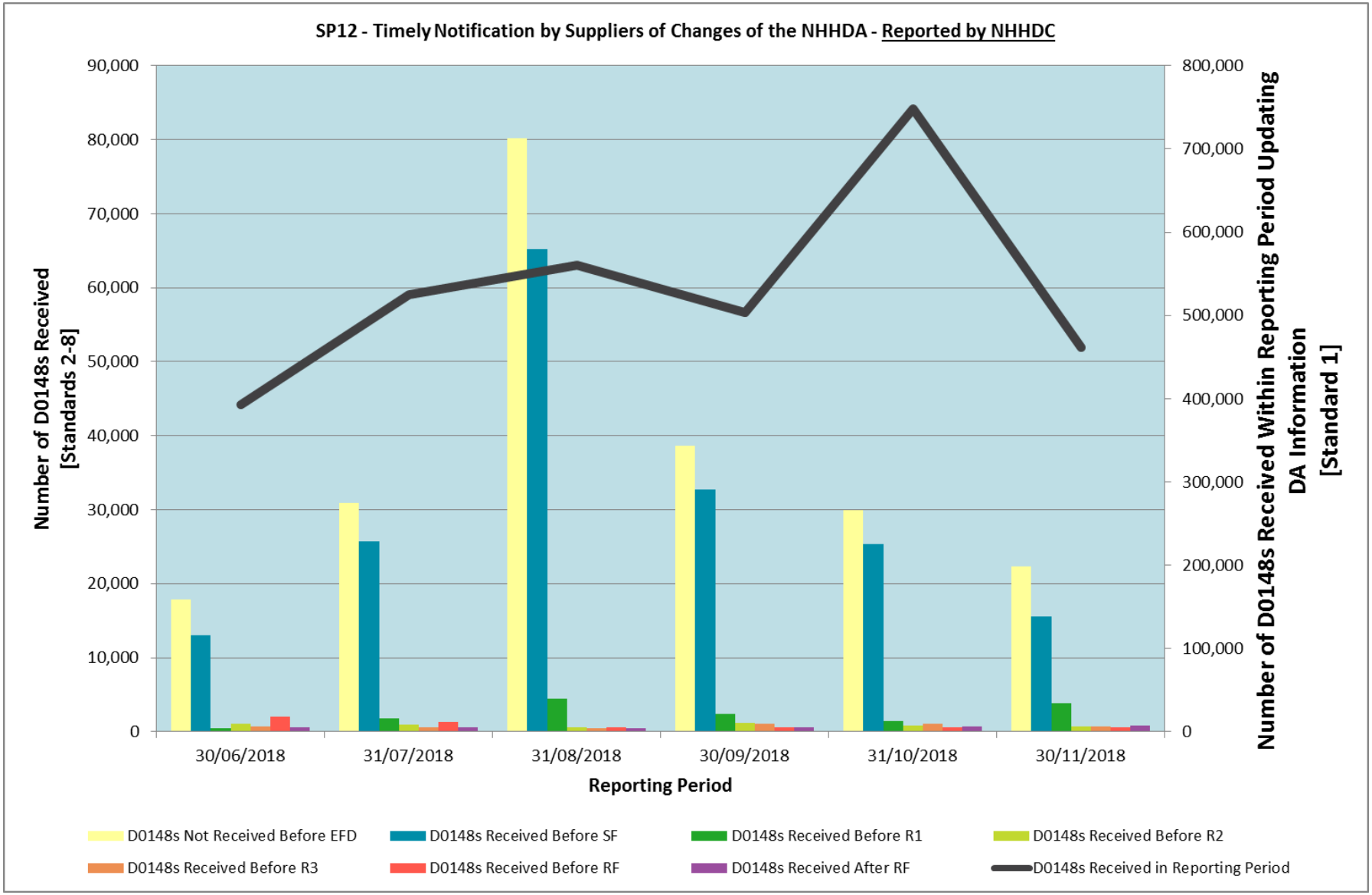

SP15 - Missing Appointment of Agents - HHDC Reporting on Missing D0148s for HHDA/HHMOA
Number of D0148s Missing [Standards 2-7]
Number of Unique Registrations Held in Last 14 Months [Standard 1]
3,000
2,500
2,000
1,500
1,000
500
0
590,000
580,000
570,000
560,000
550,000
540,000
530,000
520,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0148s
D0148s Missing Before R1
D0148s Missing Before R2
D0148s Missing Before R3
D0148s Missing Before RF
D0148s Missing After RF
Registrations in Last 14 Months

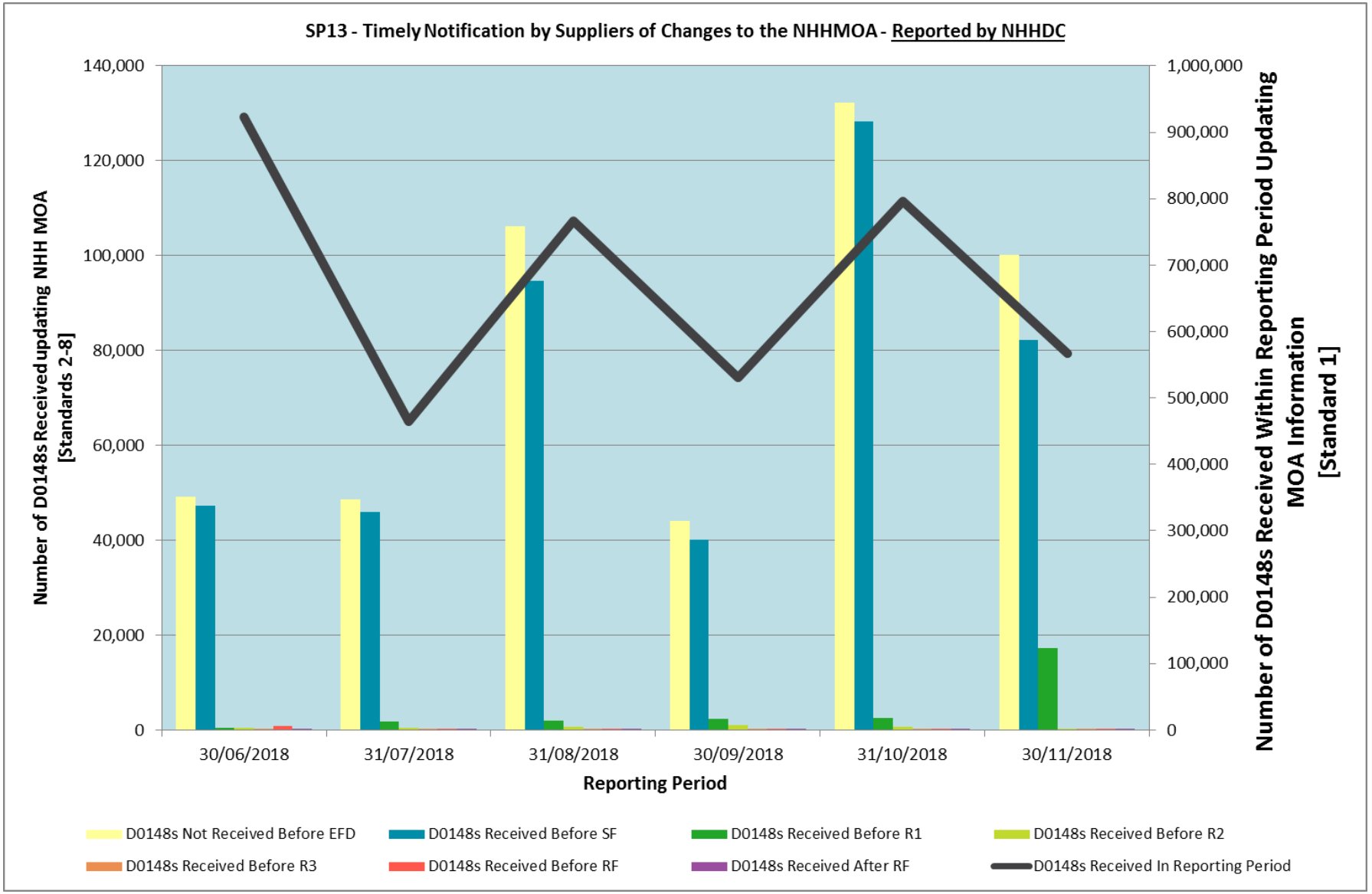

SP15 - Missing Appointment of Agents - HHMOA Reporting on Missing D0148s for HHDC
Number of D0148s Missing [Standards 2-7]
Number of Unique Registrations Held in Last 14 Months [Standard 1]
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
400,000
395,000
390,000
385,000
380,000
375,000
370,000
365,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0148s
D0148s Missing Before R1
D0148s Missing Before R2
D0148s Missing Before R3
D0148s Missing Before RF
D0148s Missing After RF
Registrations in Last 14 Months

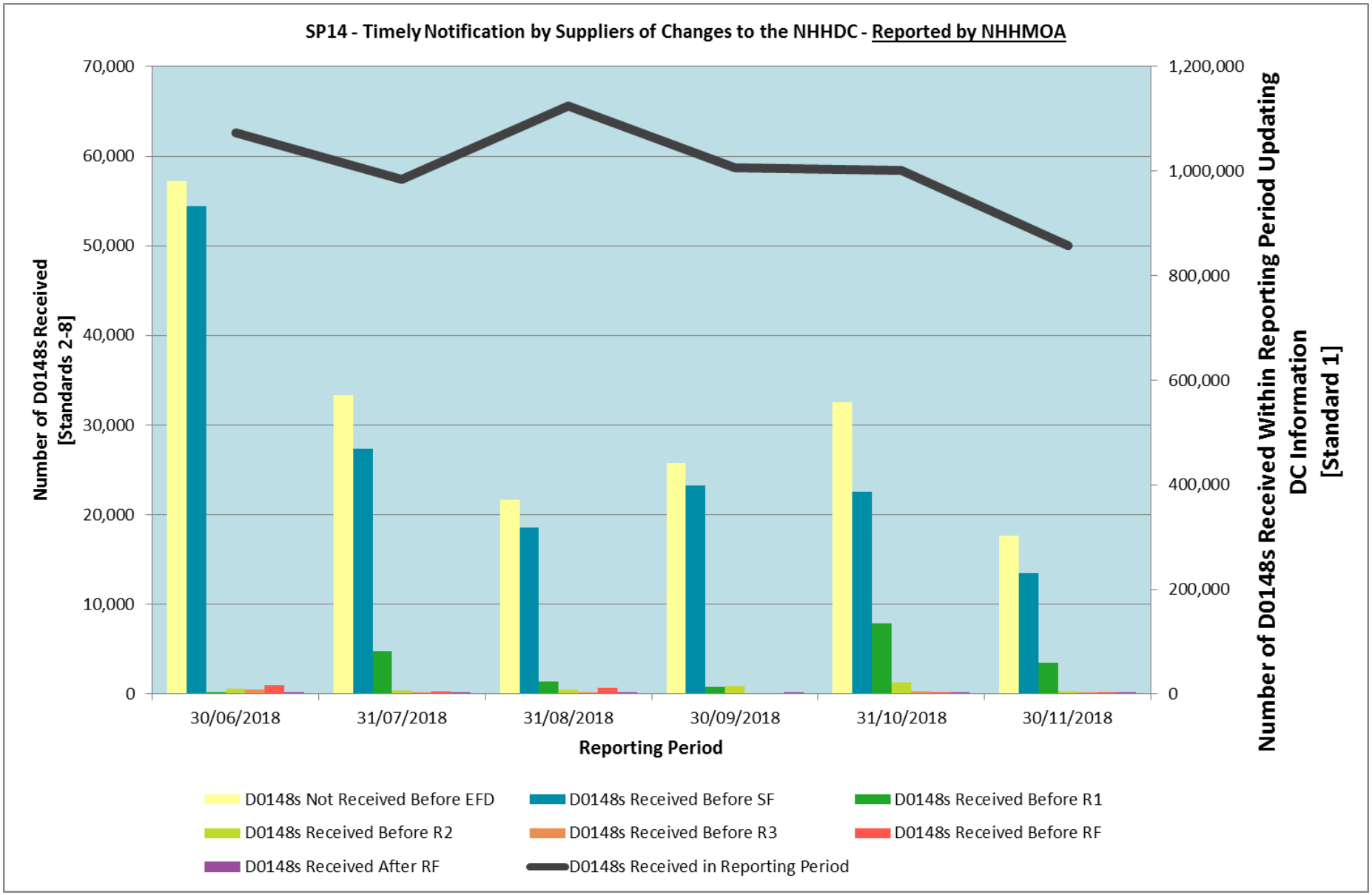
PARMS SERIAL GRAPHS (NHH SUPPLIER)

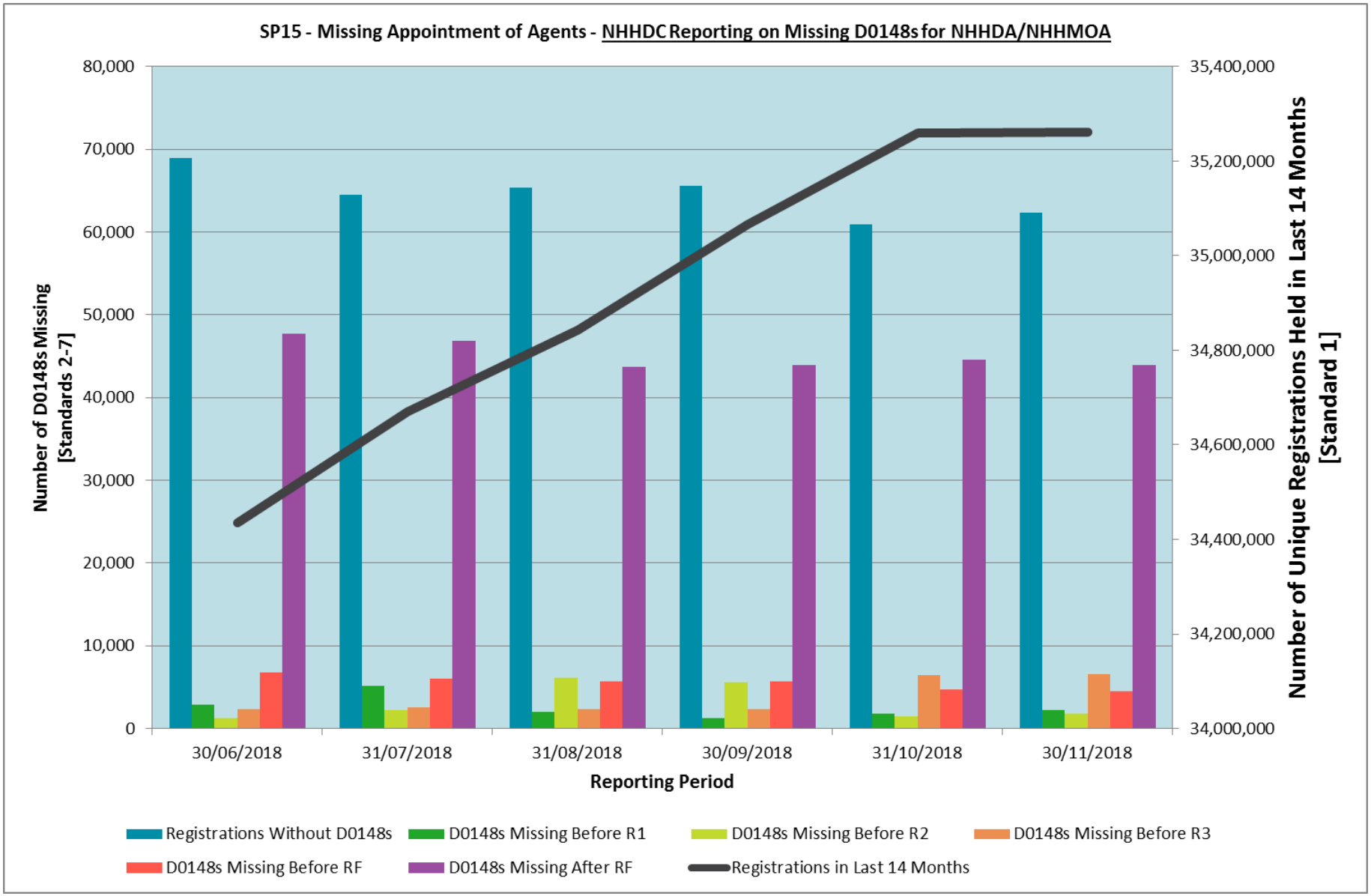


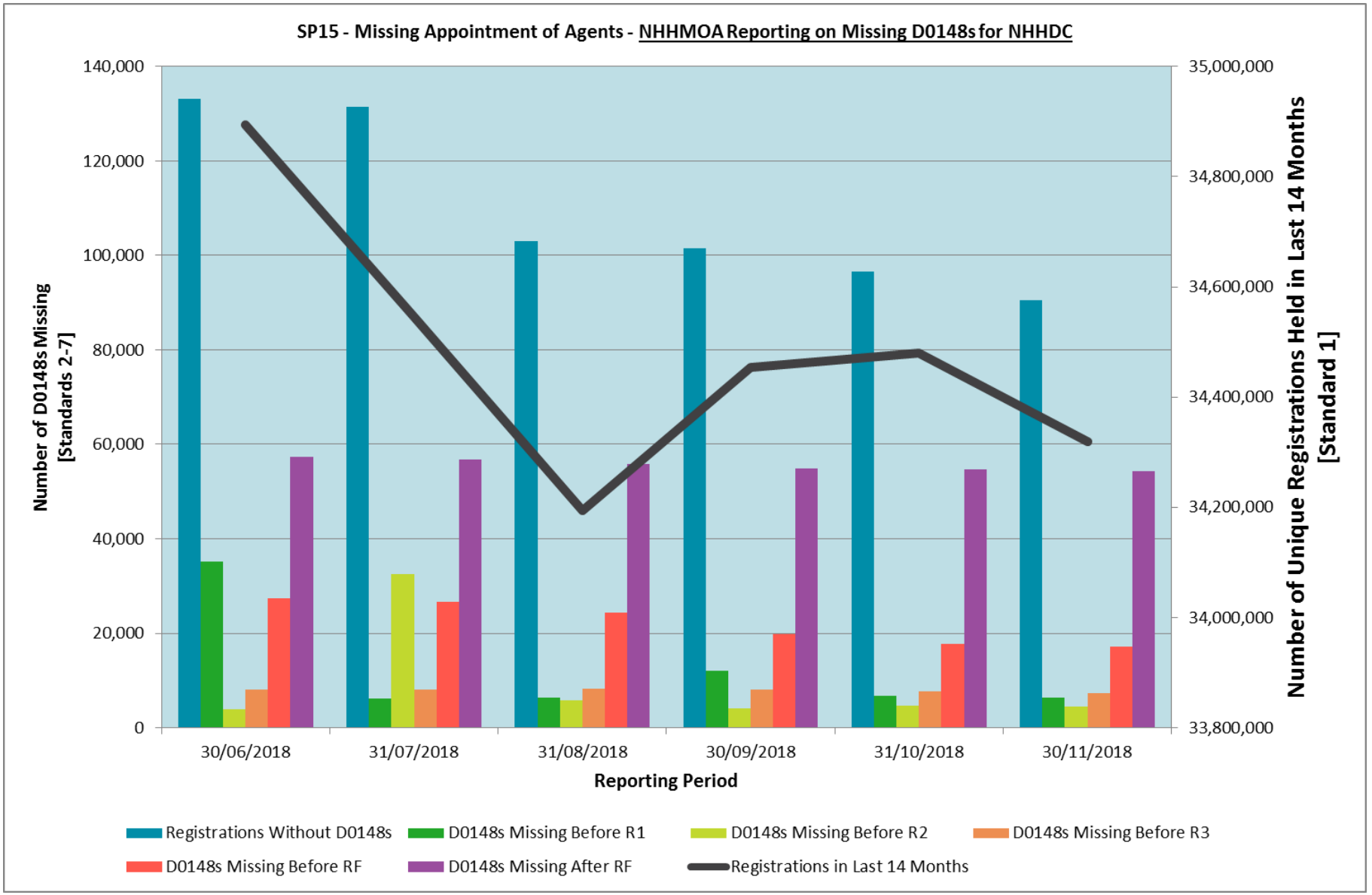

SP11 - Timely appointment of NHHMOA by Suppliers
Number of D0155s not Received before the NHHMOAs EFD [Standards 2-8]
Number of D0155s Received Within Reporting Period [Standard 1]
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0155s Not Received Before EFD
D0155s Received Before SF but after EFD
D0155s Received Before R1 but after EFD
D0155s Received Before R2 but after EFD
D0155s Received Before R3 but after EFD
D0155s Received Before RF but after EFD
D0155s Received after EFD and After RF
D0155s Received In Reporting Period


SP12 - Timely Notification by Suppliers of Changes of the NHHDA - Reported by NHHDC
Number of D0148s Received [Standards 2-8]
Number of D0148s Received Within Reporting Period Updating DA Information [Standard 1]
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0148s Not Received Before EFD
D0148s Received Before SF
D0148s Received Before R1
D0148s Received Before R2
D0148s Received Before R3
D0148s Received Before RF
D0148s Received After RF
D0148s Received in Reporting Period

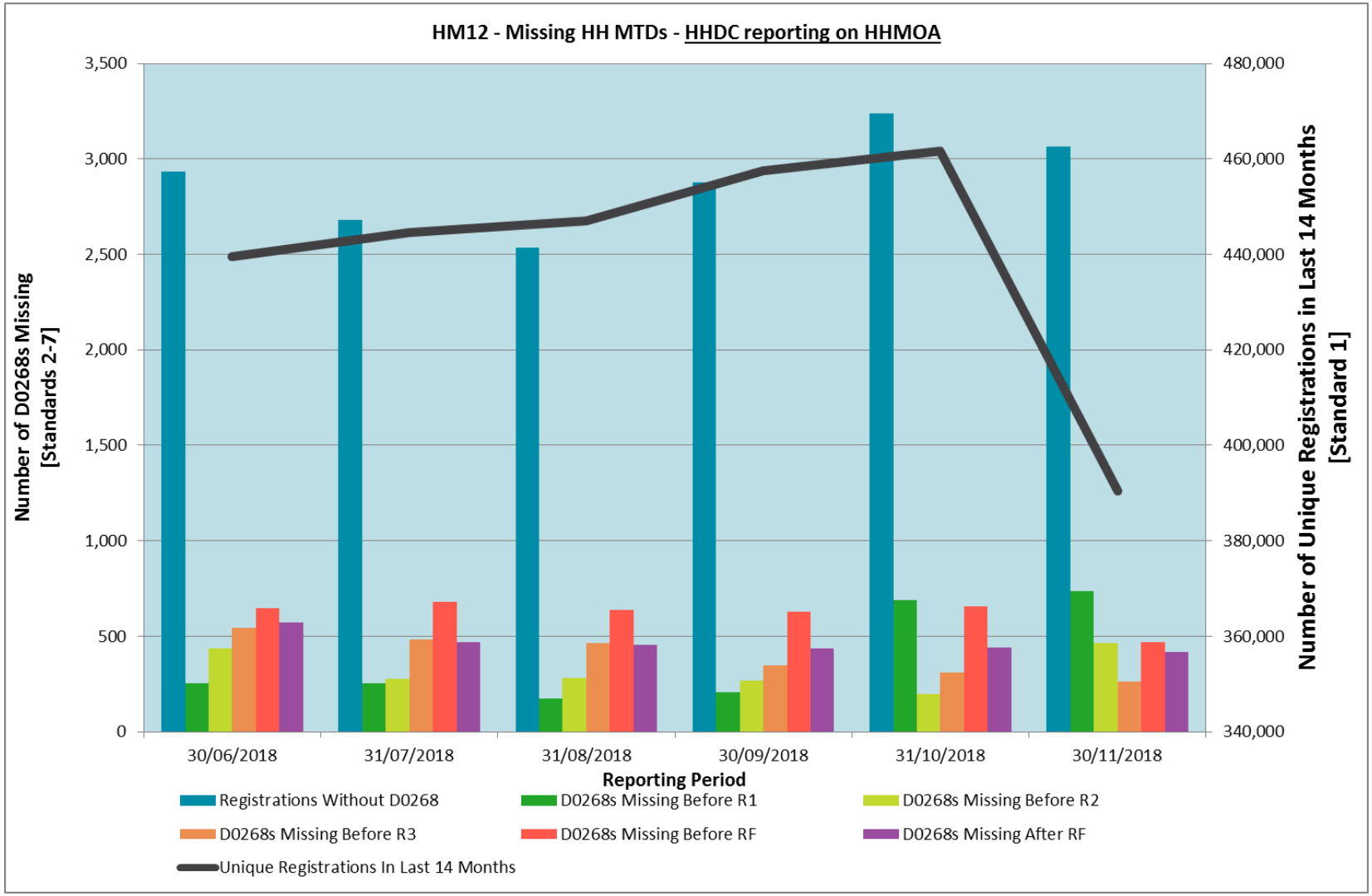

SP13 - Timely Notification by Suppliers of Changes to the NHHMOA - Reported by NHHDC
Number of D0148s Received updating NHH MOA [Standards 2-8]
Number of D0148s Received Within Reporting Period Updating MOA Information [Standard 1]
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0148s Not Received Before EFD
D0148s Received Before SF
D0148s Received Before R1
D0148s Received Before R2
D0148s Received Before R3
D0148s Received Before RF
D0148s Received After RF
D0148s Received In Reporting Period


SP14 - Timely Notification by Suppliers of Changes to the NHHDC - Reported by NHHMOA
Number of D0148s Received [Standards 2-8]
Number of D0148s Received Within Reporting Period Updating DC Information [Standard 1]
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0148s Not Received Before EFD
D0148s Received Before SF
D0148s Received Before R1
D0148s Received Before R2
D0148s Received Before R3
D0148s Received Before RF
D0148s Received After RF
D0148s Received in Reporting Period

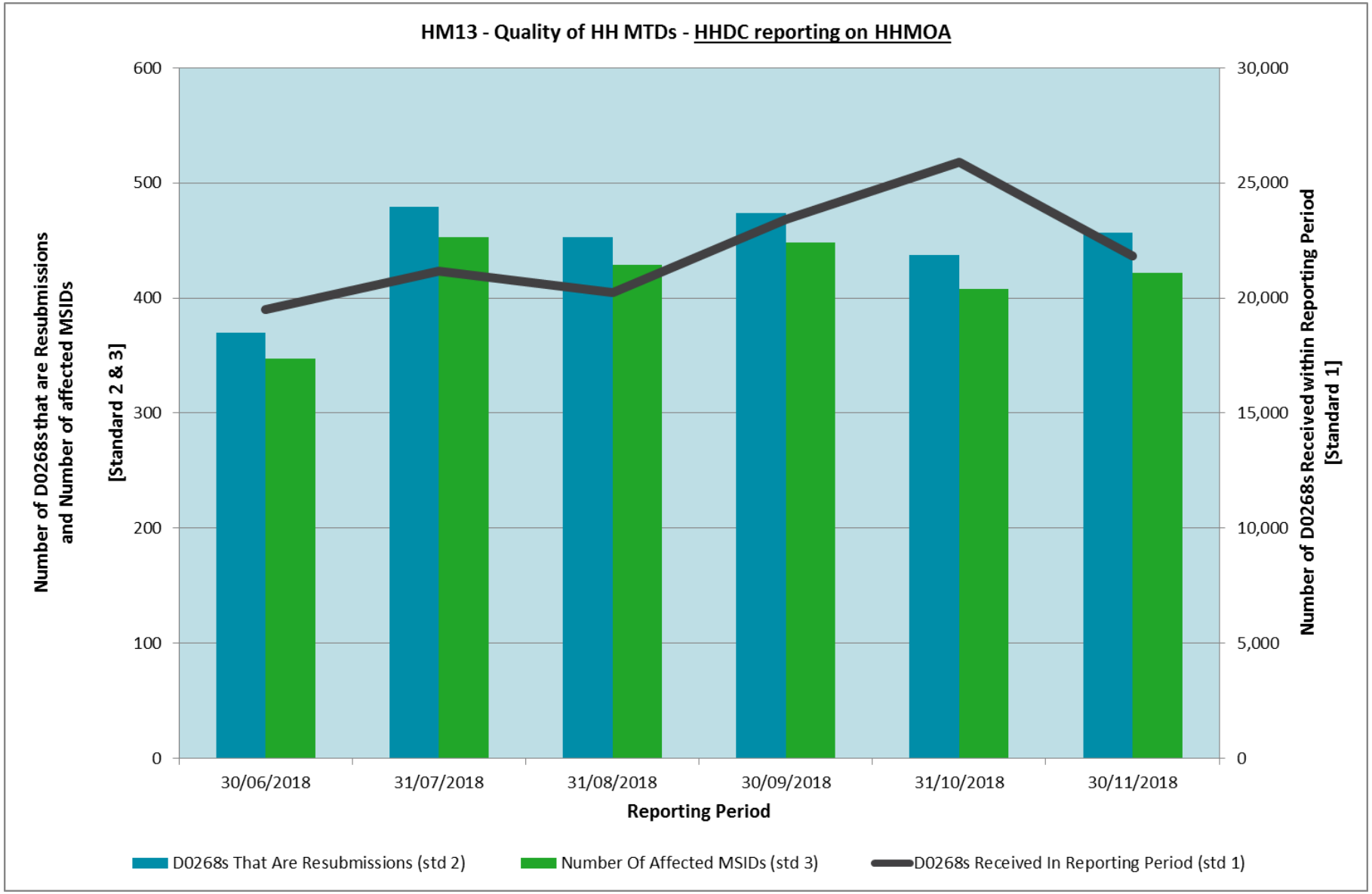

SP15 - Missing Appointment of Agents - NHHDC Reporting on Missing D0148s for NHHDA/NHHMOA
Number of D0148s Missing [Standards 2-7]
Number of Unique Registrations Held in Last 14 Months [Standard 1]
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
35,400,000
35,200,000
35,000,000
34,800,000
34,600,000
34,400,000
34,200,000
34,000,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0148s
D0148s Missing Before R1
D0148s Missing Before R2
D0148s Missing Before R3
D0148s Missing Before RF
D0148s Missing After RF
Registrations in Last 14 Months

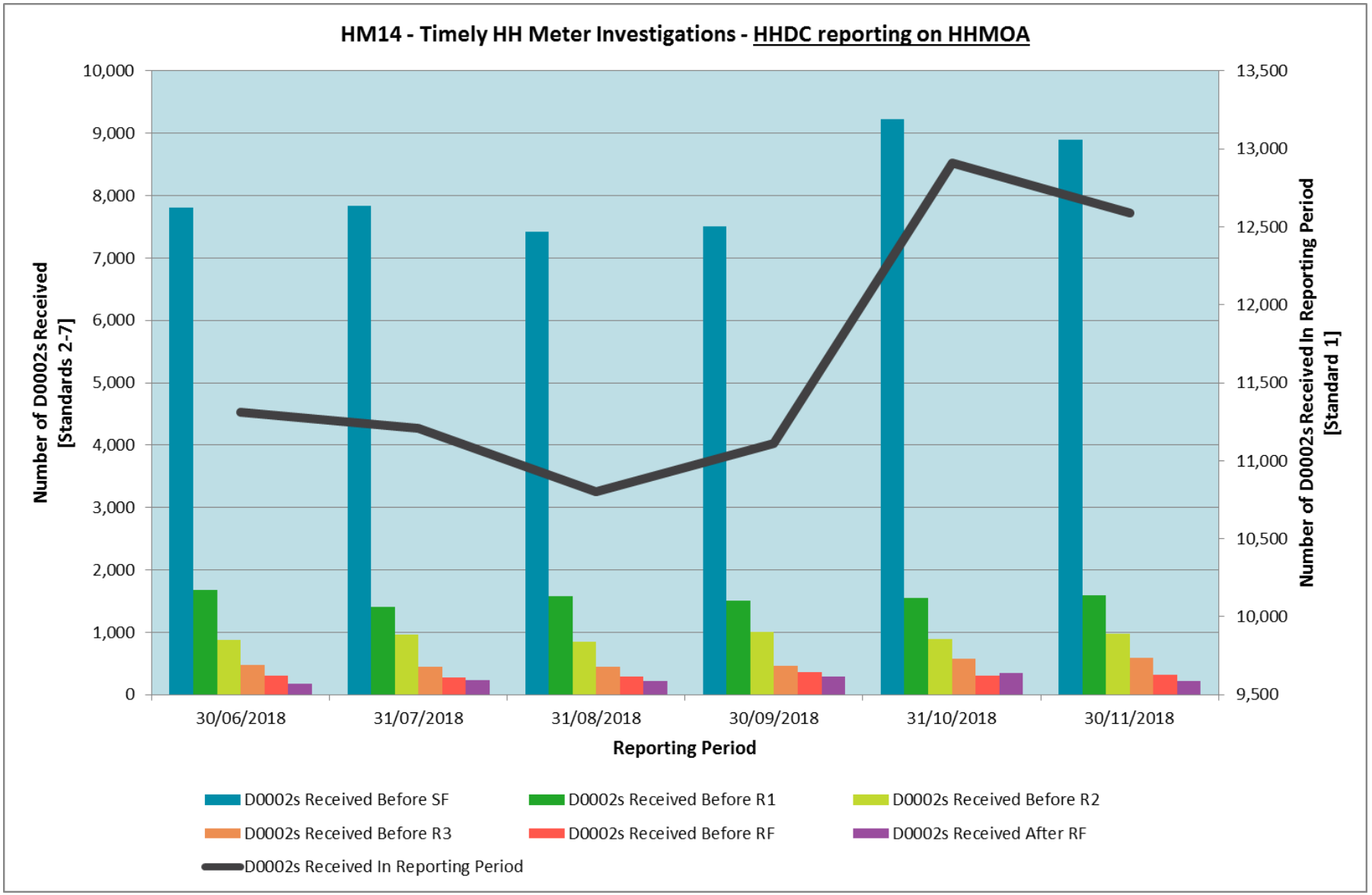

SP15 - Missing Appointment of Agents - NHHMOA Reporting on Missing D0148s for NHHDC
Number of D0148s Missing [Standards 2-7]
Number of Unique Registrations Held in Last 14 Months [Standard 1]
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
35,000,000
34,800,000
34,600,000
34,400,000
34,200,000
34,000,000
33,800,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0148s
D0148s Missing Before R1
D0148s Missing Before R2
D0148s Missing Before R3
D0148s Missing Before RF
D0148s Missing After RF
Registrations in Last 14 Months

PARMS SERIAL GRAPHS (HH METER TECHNICAL DETAILS)

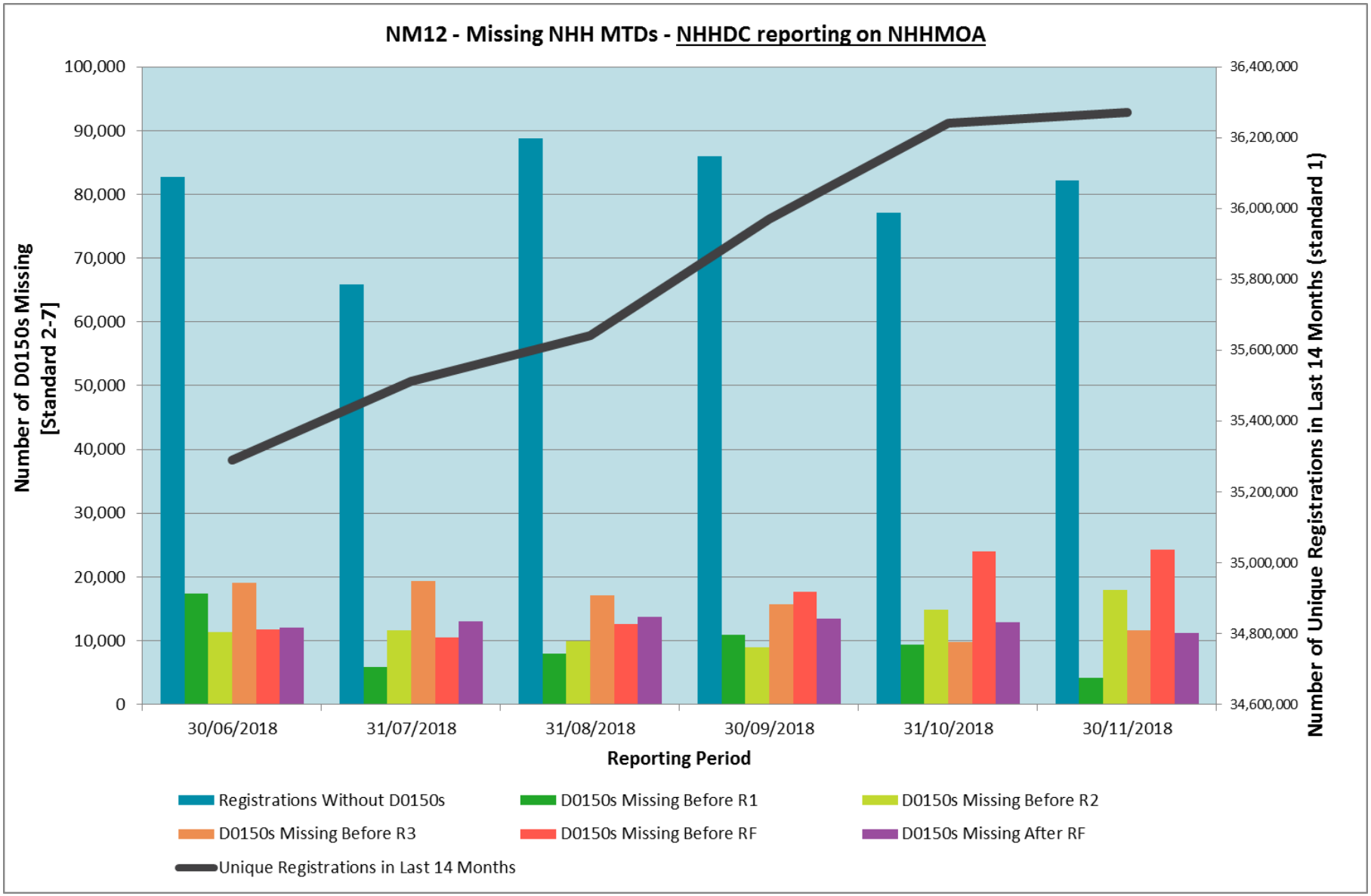

HM12 - Missing HH MTDs - HHDC reporting on HHMOA
Number of D0268s Missing [Standards 2-7]
Number of Unique Registrations in Last 14 Months [Standard 1]
3,500
3,000
2,500
2,000
1,500
1,000
500
0
480,000
460,000
440,000
420,000
400,000
380,000
360,000
340,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0268
D0268s Missing Before R1
D0268s Missing Before R2
D0268s Missing Before R3
D0268s Missing Before RF
D0268s Missing After RF
Unique Registrations In Last 14 Months

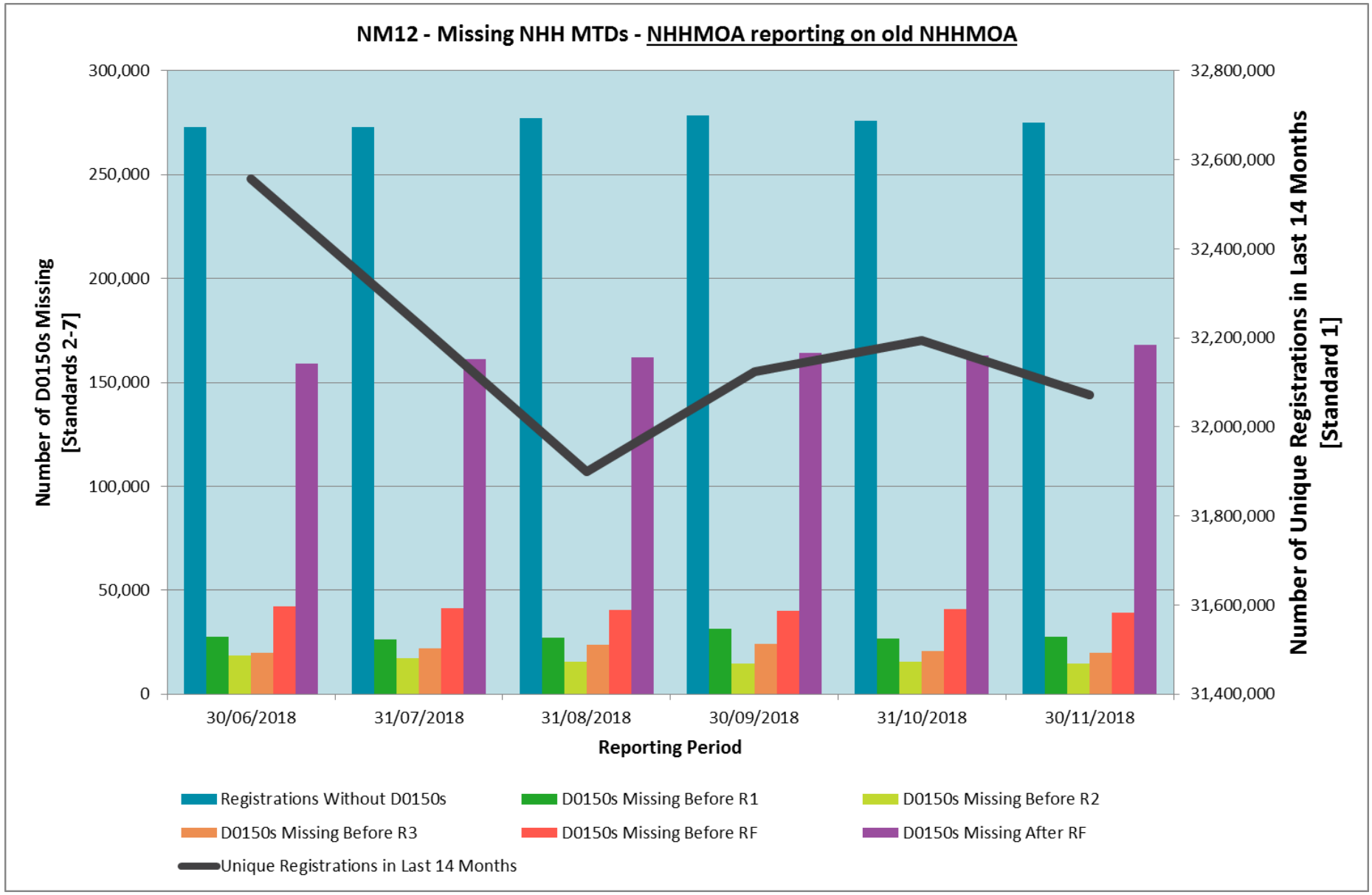

HM12 - Missing HH MTDs - HHMOA reporting on old HHMOA
Number of D0268s Missing [Standards 2-7]
Number of Unique Registrations in Last 14 Months [Standard 1]
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
345,000
340,000
335,000
330,000
325,000
320,000
315,000
310,000
305,000
300,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0268
D0268s Missing Before R1
D0268s Missing Before R2
D0268s Missing Before R3
D0268s Missing Before RF
D0268s Missing After RF
Unique Registrations In Last 14 Months

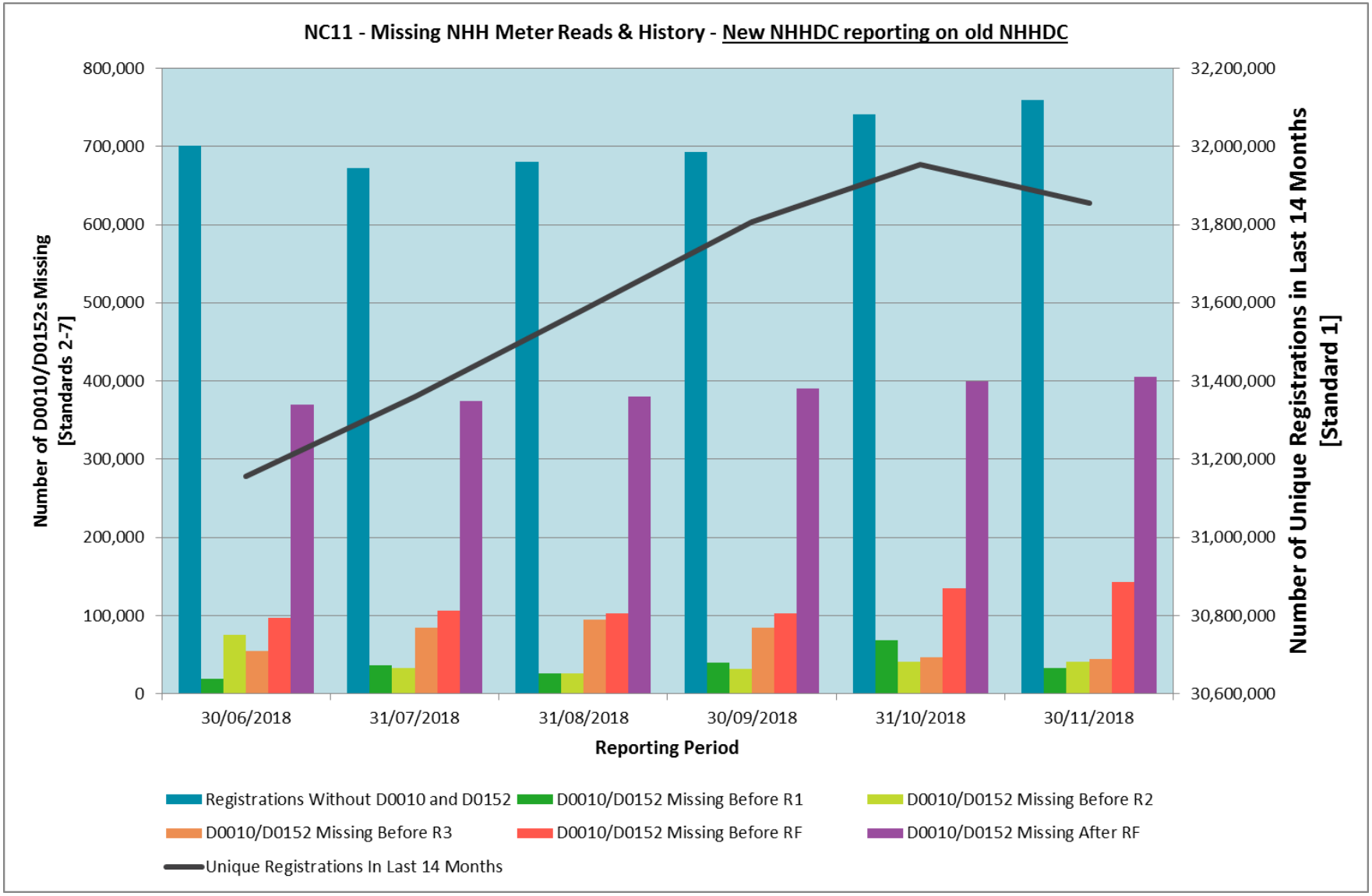

HM13 - Quality of HH MTDs - HHDC reporting on HHMOA
Number of D0268s that are Resubmissions and Number of affected MSIDs [Standard 2 & 3]
Number of D0268s Received within Reporting Period [Standard 1]
600
500
400
300
200
100
0
30,000
25,000
20,000
15,000
10,000
5,000
0
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0268s That Are Resubmissions (std 2)
Number Of Affected MSIDs (std 3)
D0268s Received In Reporting Period (std 1)


HM14 - Timely HH Meter Investigations - HHDC reporting on HHMOA
Number of D0002s Received [Standards 2-7]
Number of D0002s Received In Reporting Period [Standard 1]
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
13,500
13,000
12,500
12,000
11,500
11,000
10,500
10,000
9,500
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
D0002s Received Before SF
D0002s Received Before R1
D0002s Received Before R2
D0002s Received Before R3
D0002s Received Before RF
D0002s Received After RF
D0002s Received In Reporting Period

PARMS SERIAL GRAPHS (NHH METER TECHNICAL DETAILS)


NM12 - Missing NHH MTDs - NHHDC reporting on NHHMOA
Number of D0150s Missing [Standard 2-7]
Number of Unique Registrations in Last 14 Months (standard 1)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
36,400,000
36,200,000
36,000,000
35,800,000
35,600,000
35,400,000
35,200,000
35,000,000
34,800,000
34,600,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0150s
D0150s Missing Before R1
D0150s Missing Before R2
D0150s Missing Before R3
D0150s Missing Before RF
D0150s Missing After RF
Unique Registrations in Last 14 Months


NM12 - Missing NHH MTDs - NHHMOA reporting on old NHHMOA
Number of D0150s Missing [Standards 2-7]
Number of Unique Registrations in Last 14 Months [Standard 1]
300,000
250,000
200,000
150,000
100,000
50,000
0
32,800,000
32,600,000
32,400,000
32,200,000
32,000,000
31,800,000
31,600,000
31,400,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0150s
D0150s Missing Before R1
D0150s Missing Before R2
D0150s Missing Before R3
D0150s Missing Before RF
D0150s Missing After RF
Unique Registrations in Last 14 Months


NC11 - Missing NHH Meter Reads & History - New NHHDC reporting on old NHHDC
Number of D0010/D0152s Missing [Standards 2-7]
Number of Unique Registrations in Last 14 Months [Standard 1]
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
32,200,000
32,000,000
31,800,000
31,600,000
31,400,000
31,200,000
31,000,000
30,800,000
30,600,000
30/06/2018
31/07/2018
31/08/2018
30/09/2018
31/10/2018
30/11/2018
Reporting Period
Registrations Without D0010 and D0152
D0010/D0152 Missing Before R1
D0010/D0152 Missing Before R2
D0010/D0152 Missing Before R3
D0010/D0152 Missing Before RF
D0010/D0152 Missing After RF
Unique Registrations In Last 14 Months