



## Airworthiness Directive

**AD No.:** 2016-0231

**Issued:** 22 November 2016

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

AIRBUS

**Type/Model designation(s):**

A330 and A340 aeroplanes

**Effective Date:** 06 December 2016

**TCDS Numbers:** EASA.A.004, EASA.A.015

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes EASA AD 2016-0082 dated 27 April 2016.

### ATA 57 – Wings – Inboard Flap Parts – Identification / Inspection

#### Manufacturer(s):

Airbus (formerly Airbus Industrie)

#### Applicability:

Airbus A330-201, A330-202, A330-203, A330-223, A330-223F, A330-243, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342 and A330-343 aeroplanes, all manufacturer serial numbers (MSN), and

Airbus A340-211, A340-212, A340-213, A340-311, A340-312, A340-313, A340-541, A340-542, A340-642 and A340-643 aeroplanes, all MSN.

#### Reason:

Following an Airbus quality control review on the final assembly line, it was discovered that non-conforming aluminium alloy was used to manufacture several structural parts on the inboard flap.

This condition, if not detected and corrected, could reduce the structural integrity of the aeroplane.

To address this potential unsafe condition, Airbus issued Service Bulletin (SB) A330-57-3120 and SB A340-57-5036 to provide instructions to identify and inspect the potentially affected parts.



Consequently, EASA issued AD 2016-0082 to require identification of the potentially affected inboard flap parts, a one-time special detailed inspection (SDI) to identify which material they are made of and, depending on findings, replacement with serviceable parts.

Since EASA AD 2016-0082 was issued, it was confirmed that flaps, initially installed on A340-500 and A340-600 aeroplanes, may also have been installed in service on A340-200 or A340-300 aeroplanes. As this installation was not done during production, no SB was published for these models.

For the reason described above, this AD retains the requirements of EASA AD 2016-0082, which is superseded, expands the Applicability to include A340-200 and A340-300 aeroplanes, corrects a typographical error in Appendix 1 of this AD for one affected flap, Right Hand (RH) serial number (s/n) "TB 11411" in place of "TB 14411" (date of first operation: 19/04/13) and identified in **bold** in Appendix 1, and adds the prefix "TB" to the s/n's of all Left Hand (LH) and RH flaps, which was inadvertently omitted in Appendix 1 of AD 2016-0082. This AD also allows, under certain conditions, installation of an affected inboard flap on an aeroplane.

#### **Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

Note 1: For the purpose of this AD, the affected inboard flaps are listed by s/n in Appendix 1 of this AD.

#### **Identification:**

- (1) Within 24 months after 11 May 2016 [the effective date of EASA AD 2016-0082], inspect each LH and RH inboard flap to identify the s/n to determine whether the inboard flap is an affected part (see Note 1 of this AD).

A review of aeroplane delivery and/or maintenance records is acceptable to make this determination, in lieu of inspecting the inboard flaps, provided those records can be relied upon for that purpose and the s/n of the affected parts can be positively identified from that review.

Note 2: For Airbus A330, and A340/-500, -600 aeroplanes, Airbus SB A330-57-3120 and Airbus SB A340-57-5036 list the s/n of potentially affected LH and RH inboard flaps and the corresponding aeroplane MSN on which these parts were installed during production. That MSN list is for information only, as it cannot be excluded that an affected inboard flap has been removed from an aeroplane and later re-installed on another aeroplane.

#### **Inspection:**

- (2) For each affected inboard flap (see Note 1 of this AD), identified as required by paragraph (1) of this AD, within 6 years after 11 May 2016 [the effective date of EASA AD 2016-0082], or within 12 years after the date of first operation of the flap, as defined in Appendix 1 of this AD, whichever occurs first, accomplish an SDI in accordance with the instructions of Airbus SB A330-57-3120, or SB A340-57-5036, as applicable, or contact Airbus for approved SDI instructions and, within the compliance time(s) specified in those instructions, accomplish the SDI accordingly.



**Corrective Action(s):**

- (3) If, during the SDI as required by paragraph (2) of this AD, a part manufactured from non-conforming material is detected, within 30 days after that SDI, contact Airbus for approved replacement instructions and, within the compliance time(s) specified in those instructions, accomplish the replacement accordingly.

**Parts Installation:**

- (4) From the effective date of this AD, it is allowed to install on any aeroplane an affected inboard flap (see Note 1 of this AD), provided that the part is inspected within the compliance time(s) and in accordance with the requirements of this AD.

**Ref. Publications:**

Airbus SB A330-57-3120 original issue dated 18 September 2015.

Airbus SB A340-57-5036 original issue dated 18 September 2015.

The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 13 September 2016 as PAD 16-131 for consultation until 11 October 2016. The Comment Response Document can be found at <http://ad.easa.europa.eu>.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – EIAW (Airworthiness Office), E-mail: [airworthiness.A330-A340@airbus.com](mailto:airworthiness.A330-A340@airbus.com).



## Appendix 1 – Affected Flaps

Note: The date of first operation is shown in this table as day, month, year (dd/mm/yy)

Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n
29/09/10	TB 11004	TB 11004	28/02/11	TB 11202	TB 11201	19/12/12	TB 11349	TB 11349
21/07/09	TB 11030	TB 11028	22/02/11	TB 11198	TB 11202	17/12/12	TB 11352	TB 11352
17/08/09	TB 11034	TB 11002	07/03/11	TB 11203	TB 11203	15/11/12	TB 11353	TB 11353
21/05/10	TB 11031	TB 11031	30/03/11	TB 11204	TB 11204	30/10/12	TB 11354	TB 11354
09/08/10	TB 11071	TB 11071	31/05/11	TB 11205	TB 11229	22/10/12	TB 11355	TB 11355
10/07/09	TB 11033	TB 11057	15/03/11	TB 11206	TB 11206	31/10/12	TB 11383	TB 11357
06/08/10	TB 11036	TB 11098	24/03/11	TB 11208	TB 11208	30/10/12	TB 11380	TB 11356
29/07/09	TB 11035	TB 11035	04/04/11	TB 11209	TB 11209	26/11/12	TB 11359	TB 11393
19/08/09	TB 11057	TB 11036	22/03/11	TB 11210	TB 11210	30/11/12	TB 11361	TB 11361
23/12/09	TB 11037	TB 11033	23/03/11	TB 11211	TB 11213	16/11/12	TB 11358	TB 11358
14/09/09	TB 11038	TB 11038	24/03/11	TB 11212	TB 11212	30/11/12	TB 11325	TB 11360
17/09/10	TB 11042	TB 11039	14/04/11	TB 11213	TB 11214	12/12/12	TB 11399	TB 11365
23/09/09	TB 11040	TB 11040	14/04/11	TB 11229	TB 11215	26/11/12	TB 11362	TB 11362
11/09/09	TB 11041	TB 11041	11/04/11	TB 11215	TB 11217	09/11/12	TB 11363	TB 11363
12/05/10	TB 11046	TB 11042	06/04/11	TB 11216	TB 11216	30/11/12	TB 11364	TB 11364
01/10/09	TB 11043	TB 11043	12/04/11	TB 11217	TB 11219	23/11/12	TB 11365	TB 11368
01/10/09	TB 11044	TB 11044	15/04/11	TB 11218	TB 11218	07/12/12	TB 11366	TB 11366
08/09/09	TB 11047	TB 11045	04/05/11	TB 11219	TB 11221	06/12/12	TB 11367	TB 11367
07/09/09	TB 11049	TB 11046	29/04/11	TB 11220	TB 11220	19/12/12	TB 11368	TB 11370
18/09/09	TB 1970	TB 11047	11/05/11	TB 11238	TB 11222	11/12/12	TB 11369	TB 11369
30/09/09	TB 11048	TB 11048	13/05/11	TB 11222	TB 11223	21/12/12	TB 11370	TB 11372
26/10/09	TB 11055	TB 11049	06/05/11	TB 11223	TB 11224	13/12/12	TB 11372	TB 11375
03/09/10	TB 11051	TB 11051	19/05/11	TB 11224	TB 11225	20/12/12	TB 11373	TB 11373
30/10/09	TB 11054	TB 11054	19/05/11	TB 11225	TB 11205	21/12/12	TB 11374	TB 11374
19/11/09	TB 11053	TB 11053	29/06/11	TB 11226	TB 11226	16/01/13	TB 11375	TB 11377
28/10/10	TB 11008	TB 11019	25/05/11	TB 11227	TB 11227	11/01/13	TB 11376	TB 11376
27/10/09	TB 11015	TB 11055	16/05/11	TB 11228	TB 11228	15/01/13	TB 11377	TB 11350
28/10/09	TB 11059	TB 11059	10/06/11	TB 11092	TB 11092	05/02/13	TB 11378	TB 11381
29/10/09	TB 11060	TB 11060	23/11/11	TB 11231	TB 11231	25/01/13	TB 11379	TB 11379
16/11/10	TB 11063	TB 11063	08/07/11	TB 11232	TB 11232	18/01/13	TB 11382	TB 11380
23/12/09	TB 11061	TB 11061	23/06/11	TB 11234	TB 11234	22/03/13	TB 11381	TB 11382
23/11/09	TB 11066	TB 11066	22/06/11	TB 11233	TB 11233	27/02/13	TB 11371	TB 11371
03/11/10	TB 11070	TB 11070	24/06/11	TB 11237	TB 11237	08/03/13	TB 11385	TB 11383
30/11/09	TB 11065	TB 11065	15/06/11	TB 11235	TB 11235	06/02/13	TB 11384	TB 11384
30/11/09	TB 11032	TB 11032	01/07/11	TB 11236	TB 11236	05/02/13	TB 11386	TB 11385
18/11/09	TB 11067	TB 11067	12/07/11	TB 11239	TB 11239	19/02/13	TB 11406	TB 11389
17/12/09	TB 11072	TB 11072	25/11/11	TB 11115	TB 11115	16/03/13	TB 11387	TB 11387



## Appendix 1 – Affected Flaps

Note: The date of first operation is shown in this table as day, month, year (dd/mm/yy)

Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n
24/11/09	TB 11074	TB 11074	29/07/11	TB 11240	TB 11240	25/02/13	TB 11388	TB 11388
17/09/10	TB 11147	TB 11147	06/10/11	TB 11243	TB 11243	15/02/13	TB 11390	TB 11390
23/12/09	TB 11095	TB 11095	29/07/11	TB 11244	TB 11241	25/02/13	TB 11392	TB 11392
10/12/09	TB 11075	TB 11075	03/08/11	TB 11245	TB 11245	01/03/13	TB 11391	TB 11403
07/12/09	TB 11076	TB 11076	29/08/11	TB 11246	TB 11244	01/03/13	TB 11394	TB 11394
23/12/09	TB 11077	TB 11077	22/08/11	TB 11247	TB 11247	11/03/13	TB 11393	TB 11395
22/12/09	TB 11069	TB 11069	20/12/11	TB 11248	TB 11246	08/03/13	TB 11397	TB 11397
07/12/09	TB 11079	TB 11079	30/08/11	TB 11249	TB 11249	14/03/13	TB 11395	TB 11399
19/01/10	TB 11078	TB 11078	25/08/11	TB 11136	TB 11248	18/03/13	TB 11396	TB 11396
11/02/10	TB 11081	TB 11081	06/09/11	TB 11250	TB 11250	18/03/13	TB 11356	TB 11400
26/03/10	TB 11080	TB 11080	27/09/11	TB 11252	TB 11254	28/03/13	TB 11398	TB 11398
28/01/10	TB 11082	TB 11082	28/09/11	TB 11221	TB 11251	22/03/13	TB 11401	TB 11401
28/01/10	TB 11084	TB 11084	15/09/11	TB 11214	TB 11255	09/04/13	TB 11400	TB 11402
04/02/10	TB 11098	TB 11030	20/10/11	TB 11266	TB 11256	21/03/13	TB 11404	TB 11404
29/01/10	TB 11085	TB 11085	19/12/11	TB 11258	TB 11258	09/04/13	TB 11402	TB 11405
05/02/10	TB 11039	TB 11037	19/10/11	TB 11255	TB 11259	26/04/13	TB 11403	TB 11407
29/03/10	TB 11086	TB 11086	10/11/11	TB 11259	TB 11260	15/04/13	TB 11360	TB 11406
09/03/10	TB 11087	TB 11087	05/10/11	TB 11261	TB 11261	11/04/13	TB 11407	TB 11408
15/04/10	TB 11088	TB 11088	17/10/11	TB 11260	TB 11263	19/04/13	TB 11409	TB 11409
16/04/10	TB 11089	TB 11089	10/11/11	TB 11254	TB 11252	24/04/13	TB 11410	TB 11410
29/03/10	TB 11090	TB 11090	17/11/11	TB 11262	TB 11262	19/04/13	TB 11411	TB 11411
11/06/10	TB 11091	TB 11091	16/11/11	TB 11263	TB 11264	22/04/13	TB 11408	TB 11412
22/06/11	TB 11230	TB 11230	16/11/11	TB 11264	TB 11265	26/04/13	TB 11413	TB 11413
23/03/10	TB 11093	TB 11093	25/11/11	TB 11265	TB 11266	30/04/13	TB 11414	TB 11414
23/02/10	TB 11094	TB 11094	28/11/11	TB 11267	TB 11267	22/04/13	TB 11412	TB 11415
24/03/10	TB 11073	TB 11073	05/12/11	TB 11268	TB 11268	15/07/13	TB 11416	TB 11416
31/03/10	TB 11096	TB 11096	29/11/11	TB 11270	TB 11270	17/05/13	TB 11405	TB 11417
16/03/10	TB 11097	TB 11097	06/12/11	TB 11271	TB 11271	28/05/13	TB 11415	TB 11418
10/03/10	TB 11101	TB 11101	12/12/11	TB 11272	TB 11272	23/05/13	TB 11419	TB 11419
15/03/10	TB 11099	TB 11099	07/12/11	TB 11275	TB 11275	17/05/13	TB 11417	TB 11421
23/03/10	TB 11100	TB 11100	14/12/11	TB 11269	TB 11269	30/05/13	TB 11418	TB 11420
16/06/10	TB 11105	TB 11105	15/12/11	TB 11274	TB 11274	30/05/13	TB 11357	TB 11386
07/12/10	TB 11102	TB 11130	12/12/11	TB 11276	TB 11276	27/05/13	TB 11420	TB 11422
13/04/10	TB 11106	TB 11106	11/01/12	TB 11279	TB 11279	13/06/13	TB 11421	TB 11423
27/04/10	TB 11104	TB 11104	20/01/12	TB 11278	TB 11278	04/06/13	TB 11424	TB 11424
30/04/10	TB 11103	TB 11103	19/01/12	TB 11164	TB 11164	17/06/13	TB 11426	TB 11378
07/04/10	TB 11108	TB 11108	12/01/12	TB 11277	TB 11277	10/06/13	TB 11423	TB 11427
16/04/10	TB 11133	TB 11133	19/01/12	TB 11280	TB 11281	27/06/13	TB 11428	TB 11428
10/05/10	TB 11114	TB 11114	23/01/12	TB 11298	TB 11282	20/06/13	TB 11425	TB 11425
10/05/10	TB 11110	TB 11110	17/01/12	TB 11282	TB 11284	27/06/13	TB 11429	TB 11426
06/05/10	TB 11116	TB 11116	30/01/12	TB 11283	TB 11283	21/06/13	TB 11427	TB 11429
27/05/10	TB 11112	TB 11112	01/02/12	TB 11284	TB 11285	01/07/13	TB 11434	TB 11434
13/07/11	TB 11241	TB 11238	24/02/12	TB 11286	TB 11286	01/07/13	TB 11432	TB 11432
11/05/10	TB 11111	TB 11034	17/02/12	TB 11285	TB 11287	23/07/13	TB 11430	TB 11430



## Appendix 1 – Affected Flaps

Note: The date of first operation is shown in this table as day, month, year (dd/mm/yy)

Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n
17/06/10	TB 11118	TB 11118	29/02/12	TB 11287	TB 11289	31/07/13	TB 11431	TB 11431
09/06/10	TB 11120	TB 11120	22/02/12	TB 11288	TB 11288	19/07/13	TB 11436	TB 11436
16/07/10	TB 11122	TB 11122	23/02/12	TB 11289	TB 11291	12/07/13	TB 11433	TB 11433
06/07/10	TB 11123	TB 11123	24/02/12	TB 11290	TB 11290	01/08/13	TB 11437	TB 11437
21/05/10	TB 11124	TB 11124	21/02/12	TB 11291	TB 11293	15/07/13	TB 11435	TB 11435
12/07/10	TB 11126	TB 11126	04/04/12	TB 11292	TB 11292	19/07/13	TB 11438	TB 11316
28/06/10	TB 11127	TB 11127	05/04/12	TB 11293	TB 11294	13/11/13	TB 11440	TB 11438
18/06/10	TB 11129	TB 11129	20/03/12	TB 11294	TB 11296	06/08/13	TB 11441	TB 11441
22/06/10	TB 11130	TB 11102	09/03/12	TB 11295	TB 11295	02/08/13	TB 11439	TB 11439
24/09/10	TB 11135	TB 11135	30/03/12	TB 11296	TB 11298	05/08/13	TB 11442	TB 11440
25/06/10	TB 11132	TB 11132	29/03/12	TB 11297	TB 11297	09/08/13	TB 11443	TB 11391
26/07/10	TB E11006	TB 11111	16/03/12	TB 11299	TB 11175	27/08/13	TB 11446	TB 11442
23/07/10	TB 11138	TB 11138	29/03/12	TB 11300	TB 11300	19/08/13	TB 11447	TB 11443
14/09/11	TB 11251	TB 11136	18/04/12	TB 11281	TB 11301	04/09/13	TB 11444	TB 11444
15/07/10	TB 11062	TB 11062	12/04/12	TB 11302	TB 11180	03/09/13	TB 11445	TB 11445
23/07/10	TB 11141	TB 11141	26/04/12	TB 11301	TB 11303	25/09/13	TB 11449	TB 11446
23/08/10	TB 11145	TB 11145	20/04/12	TB 11303	TB 11306	13/09/13	TB 11450	TB 11447
27/08/10	TB 11117	TB 11117	24/04/12	TB 11304	TB 11307	29/10/13	TB 11448	TB 11448
13/08/10	TB 11146	TB 11146	27/04/12	TB 11305	TB 11305	26/09/13	TB 11453	TB 11449
13/09/10	TB 11149	TB 11149	25/04/12	TB 11306	TB 11308	02/12/13	TB 11454	TB 11450
27/09/10	TB 11150	TB 11150	26/04/12	TB 11307	TB 11196	25/09/13	TB 11451	TB 11451
14/11/11	TB 11148	TB 11148	14/05/12	TB 11308	TB 11310	25/09/13	TB 11472	TB 11464
17/09/10	TB 11151	TB 11151	10/05/12	TB 11310	TB 11312	27/09/13	TB 11457	TB 11453
28/09/10	TB 11107	TB 11107	11/05/12	TB 11312	TB 11317	28/10/13	TB 11458	TB 11454
27/09/10	TB 11159	TB 11159	09/05/12	TB 11309	TB 11299	22/10/13	TB 11456	TB 11455
25/10/10	TB 11153	TB 11153	25/05/12	TB 11311	TB 11311	11/10/13	TB 11455	TB 11456
29/09/10	TB 11155	TB 11155	29/05/12	TB 11313	TB 11313	25/10/13	TB 11459	TB 11459
08/10/10	TB 11156	TB 11156	31/05/12	TB 11314	TB 11314	20/11/13	TB 11460	TB 11458
13/10/10	TB 11157	TB 11157	28/06/12	TB 11317	TB 11315	17/10/13	TB 11461	TB 11461
15/10/10	TB 11168	TB 11168	15/06/12	TB 11316	TB 11336	21/10/13	TB 11462	TB 11460
13/10/10	TB 11186	TB 11160	15/06/12	TB 11318	TB 11318	23/10/13	TB 11463	TB 11463
22/10/10	TB 11161	TB 11161	31/05/12	TB 11319	TB 11319	05/11/13	TB 11465	TB 11462
22/10/10	TB 11163	TB 11163	18/06/12	TB 11320	TB 11320	04/11/13	TB 11466	TB 11466
25/01/12	TB 11256	TB 11280	22/06/12	TB 11321	TB 11321	13/11/13	TB 11452	TB 11473
22/11/10	TB 11165	TB 11165	19/07/12	TB 11322	TB 11322	04/11/13	TB 11389	TB 11465
10/11/10	TB 11167	TB 11167	29/06/12	TB 11323	TB 11323	22/11/13	TB 11468	TB 11457
02/12/10	TB 1960	TB 1960	11/07/12	TB 11324	TB 11324	27/11/13	TB 11467	TB 11467
15/11/10	TB 11169	TB 11169	26/06/12	TB 11348	TB 11325	11/12/13	TB 11470	TB 11468
30/11/10	TB 11178	TB 11170	09/07/12	TB 11326	TB 11326	18/11/13	TB 11469	TB 11469
10/11/10	TB 11171	TB 11171	03/07/12	TB 11327	TB 11327	02/12/13	TB 11474	TB 11470
30/11/10	TB 11183	TB 11172	12/07/12	TB 11328	TB 11328	02/12/13	TB 11471	TB 11471
26/11/10	TB 11173	TB 11173	16/07/12	TB 11329	TB 11329	30/12/13	TB 11503	TB 11488
14/12/10	TB 11174	TB 11174	24/08/12	TB 11330	TB 11330	16/12/13	TB 11476	TB 11474
15/06/12	TB 11175	TB 11302	13/07/12	TB 11331	TB 11331	16/12/13	TB 11477	TB 11477



## Appendix 1 – Affected Flaps

Note: The date of first operation is shown in this table as day, month, year (dd/mm/yy)

Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n	Date of first operation	LH s/n	RH s/n
19/11/10	TB 11177	TB 11177	23/07/12	TB 11332	TB 11332	06/12/13	TB 11475	TB 11475
23/12/10	TB 11172	TB 11178	29/08/12	TB 11333	TB 11333	03/12/13	TB 11479	TB 11476
11/04/12	TB 11315	TB 11304	10/08/12	TB 11334	TB 11334	09/12/13	TB 11480	TB 11480
16/12/10	TB 11181	TB 11181	23/07/12	TB 11335	TB 11335	09/12/13	TB 11478	TB 11489
15/12/10	TB 11184	TB 11183	30/08/12	TB 11337	TB 11337	09/12/13	TB 11481	TB 11481
15/12/10	TB 11187	TB 11184	30/07/12	TB 11336	TB 11309	17/12/13	TB 11482	TB 11482
14/01/11	TB 11188	TB 11188	31/08/12	TB 11180	TB 11339	09/01/14	TB 11483	TB 11483
25/01/11	TB 11189	TB 11187	18/09/12	TB 11340	TB 11340	21/01/14	TB 11484	TB 11484
21/01/11	TB 11160	TB 11189	30/11/12	TB 11339	TB 11341	27/02/14	TB 11486	TB 11486
12/01/11	TB 11190	TB 11190	12/09/12	TB 11341	TB 11343	27/01/14	TB 11487	TB 11487
25/01/11	TB 11192	TB 11186	15/10/12	TB 11343	TB 11345	17/01/14	TB 11485	TB 11485
07/02/11	TB 11191	TB 11191	17/09/12	TB 11346	TB 11347	31/01/14	TB 11489	TB 11490
07/02/11	TB 11193	TB 11192	28/09/12	TB 11345	TB 11344	14/01/14	TB 11490	TB 11491
18/02/11	TB 11195	TB 11193	09/10/12	TB 11342	TB 11342	29/01/14	TB 11488	TB 11492
24/02/11	TB 11196	TB 11195	24/09/12	TB 11344	TB 11346	30/01/14	TB 11492	TB 11493
25/02/11	TB 11199	TB 11211	15/10/12	TB 11347	TB 9015	24/01/14	TB 11493	TB 11479
25/02/11	TB 11200	TB 11198	21/09/12	TB 11338	TB 11348	27/02/14	TB 11491	TB 11494
21/02/11	TB 11201	TB 11199	19/10/12	TB 11350	TB 11359	16/06/14	TB 11495	TB 11495
14/02/11	TB 11170	TB 11200	17/10/12	TB 11351	TB 11351	14/02/14	TB 11498	TB 11498

