

## Report on the implementation of the ICCAT Regional Observer Programme for east Atlantic and Mediterranean bluefin tuna (ROP-BFT)

(ICCAT Secretariat)

The Regional Observer Programme for eastern Atlantic and Mediterranean bluefin tuna (ROP-BFT) was carried out under the provisions of the [Recommendation by ICCAT amending the Recommendation 21-08 establishing a multi-annual management plan for bluefin tuna in the eastern Atlantic and the Mediterranean \(Rec. 22-08\)](#), as amended by [Recommendation by ICCAT amending the Recommendation 22-08 establishing a multi-annual management plan for bluefin tuna in the eastern Atlantic and the Mediterranean \(Rec. 23-06\)](#).

The provisions of these Recommendations stipulate that observers are to be placed by the ICCAT Secretariat to ensure observer coverage of 100% of purse seine vessels during all the annual fishing season. In this respect, an observer shall be present during the fishing operation; and during all transfer of bluefin tuna to the cages and all harvest of fish from the cage; and during all transfers of bluefin tuna from traps to transport cages.

### Implementation in 2024

The ICCAT Secretariat is pleased to report that ICCAT Regional Observers have been embarked on all vessels (202) for which requests for observer deployment were received and confirmed. For this reason, the ICCAT Secretariat did not circulate any interim reports during the season, as the special procedures agreed by the Commission in 2020 were not invoked.

The only observers of the same nationality deployed on vessels were on Türkiye vessels, due to the language issue and in one case a Croatian observer was used for a temporary replacement on an EU-Croatia vessel due to the urgency of the situation, this exception was agreed with the ICCAT Secretariat to enable a rapid replacement. In addition, Turkish observers were used on Türkiye farms.

Regarding the authority of the CPCs concerned, observers for caging and harvesting operations were shared by EU-Croatia, EU-Malta, EU-Spain, Tunisia and Türkiye (which has one farm with three licences and hence three ICCAT numbers but operates as one farm in the same location, as has been the case since the inception of the programme).

The list of vessels flagged to the seven CPCs participating in the programme is attached as **Table 1**.

Since 2009, 869<sup>1</sup> farm deployments and 29 trap deployments have been requested, as shown in **Table 2**. The list of farms participating in the programme is attached as **Table 3**, and a list of traps which were observed by regional observers contained in **Table 4**.

All observer reports have been made available to CPCs as Annex 1 and 2 to COC\_305/2024. The lists of potential non-compliance issues detected by observers on vessels, farms and traps are contained in the appendices to COC\_305/2024, together with the responses received.

The Consortium MRAG/COFREPECHE continues to implement the Programme. The Report of this Consortium, available as **Annex 1** (Executive Summary attached as **Appendix 1**), contains more details on the implementation of the Programme.

Failure to follow the procedures for requesting deployments on farms and extensions to approved deployments continues to cause difficulties in the implementation, e.g., requests after 96 hours or requests for observers are not accompanied by proof of payment. It should be noted that the ICCAT Secretariat cannot process any requests for which payment has not been made. In addition, a number of requests for deployment on vessels are sent in advance but later cancelled, which creates problems for logistics as the port of embarkation is often not known (or is changed) very near the start of the campaign.

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<sup>1</sup> As of 1 October 2024.

In 2024, Regional Observers were again issued with ICCAT seals for use on transport cages where voluntary transfers were not of sufficient quality to allow the correct count of the fish, in accordance with paragraph 128 of [Recommendation by ICCAT amending the Recommendation 19-04 amending Recommendation 18-02 establishing a multi-annual management plan for bluefin tuna in the eastern Atlantic and the mediterranean \(Rec. 21-08\)](#).

### Future implementation

At present, no significant change is envisaged in the implementation of the ROP-BFT, unless required by any new measures adopted by the Commission. In the short term, early requests for deployment will facilitate timely deployment.

**Table 1.** List of purse seiner vessels which operated in 2024.

<b>CPC</b>	<b>Vessel Details</b>	<b>Register Number</b>
Albania	Rozafa 15	AT000ALB00010
Albania	Rozafa 23	AT000ALB00011
Algerie	SIDI SLIMANE	AT000DZA00001
Algerie	NEPTUNE VI	AT000DZA00006
Algerie	YOUNES I	AT000DZA00007
Algerie	CHAHID HASNI SAIDI	AT000DZA00009
Algerie	BRAHAM	AT000DZA00014
Algerie	BENI LOUMA	AT000DZA00015
Algerie	HABIB ALLAH I	AT000DZA00818
Algerie	Sid Ahmed	AT000DZA00549
Algerie	SIDI SLIMANE II	AT000DZA00792
Algerie	Lalla Mennoune	AT000DZA00817
Algerie	Fel Abdelkader	AT000DZA00819
Algerie	SERAJ	AT000DZA00977
Algerie	HADJ SAID	AT000DZA00978
Algerie	Meftahi	AT000DZA00996
Algerie	EL-Bachir	AT000DZA00997
Algerie	El Hadj Omar	AT000DZA00998
Algerie	LES FRERES BENAMANE	AT000DZA00999
Algerie	El Chourouk	AT000DZA00820
Algerie	Al Majed	AT000DZA00011
Algerie	El Kader	AT000DZA00012
Algerie	Borhane I	AT000DZA00384
Algerie	Marwa 1	AT000DZA01000
Algerie	WAFID ZINE EDDINE	AT000DZA01001
Algerie	AHMED SALIM	AT000DZA01002
Algerie	EL MAJDE	AT000DZA00332
Algerie	HADJ SOUFI MOHAMED	AT000DZA01003
Algerie	SIDI MAAMAR	AT000DZA00018
Algerie	AHMED ROBAINÉ	AT000DZA00816
Algerie	AHMED ROBAINÉ II	AT000DZA00976
Algerie	ECHAHID MOSTEFA BENBOULAID	AT000DZA00017
Algerie	Neptune V	AT000DZA00005
Algerie	Riadh	AT000DZA00995

<b>CPC</b>	<b>Vessel Details</b>	<b>Register Number</b>
Algerie	Oum El Kheir	AT000DZA01029
Algerie	RAIS AMARI	AT000DZA01028
EU-Croatia	CARICA	ATEU0HRV00163
EU-Croatia	HRVATSKI USPJEH	ATEU0HRV00007
EU-Croatia	KALI	ATEU0HRV00037
EU-Croatia	KORNAT	ATEU0HRV00153
EU-Croatia	MARLIN	ATEU0HRV00156
EU-Croatia	NEPTUN I	ATEU0HRV00134
EU-Croatia	NEPTUN II	ATEU0HRV00140
EU-Croatia	PELAGOS II	ATEU0HRV00017
EU-Croatia	PONOS	ATEU0HRV00058
EU-Croatia	PREKO	ATEU0HRV00021
EU-Croatia	SARDINA I	ATEU0HRV00133
EU-Croatia	SARDINA II	ATEU0HRV00161
EU-Croatia	TACOMA	ATEU0HRV00164
EU-Croatia	TULJAN DVA	ATEU0HRV00155
EU-Cyprus	ALKYA	ATEU0CYP00103
EU-España	LEONARDO BRULL SEGON	ATEU0ESP00173
EU-España	NUEVO ELORZ	ATEU0ESP00250
EU-España	NUEVO PANCHILLET	ATEU0ESP00276
EU-España	GEPUS	ATEU0ESP00119
EU-España	LA FRAU DOS	ATEU0ESP00172
EU-España	TIO GEL SEGON	ATEU0ESP00394
EU-France	ANNE ANTOINE 2	ATEU0FRA00003
EU-France	CAP HORIZON	ATEU0FRA00013
EU-France	CHRISDERIC II	ATEU0FRA00019
EU-France	CISBERLANDE 5	ATEU0FRA00021
EU-France	GERALD JEAN III	ATEU0FRA00026
EU-France	GERARD LUC IV	ATEU0FRA00028
EU-France	JANVIER GIORDANO	ATEU0FRA00037
EU-France	JEAN LOUIS RAPHAEL 2	ATEU0FRA00038
EU-France	JEANMARIE CHRISTIAN 3	ATEU0FRA00040
EU-France	JEAN MARIE CHRISTIAN 4	ATEU0FRA00041
EU-France	JEAN MARIE CHRISTIAN 6	ATEU0FRA00043
EU-France	SAINT SOPHIE FRANCOIS 2	ATEU0FRA00064
EU-France	SAINT SOPHIE FRANCOIS 3	ATEU0FRA00065
EU-France	JEAN MARIE CHRISTIAN 7	ATEU0FRA00078
EU-France	JANVIER LOUIS RAPHAEL	ATEU0FRA00083
EU-France	ERIC MARIN	ATEU0FRA00087
EU-France	PIERRE JOSEPH SALVADOR	ATEU0FRA00088
EU-France	VILLE D'AGDE IV	ATEU0FRA00089
EU-France	VENT DU NORD II	ATEU0FRA00090
EU-France	GERALD JEAN IV	ATEU0FRA00093
EU-France	CHRISDERIC V	ATEU0FRA14500
EU-Italy	ATLANTE	ATEU0ITA00065

<b>CPC</b>	<b>Vessel Details</b>	<b>Register Number</b>
EU-Italy	ENZA MADRE	ATEU0ITA00188
EU-Italy	GIUSEPPE PADRE SECONDO	ATEU0ITA00289
EU-Italy	MADONNA DI FATIMA	ATEU0ITA00348
EU-Italy	MARIA ANTONIETTA	ATEU0ITA00368
EU-Italy	ONDA	ATEU0ITA00459
EU-Italy	PADRE PIO P	ATEU0ITA00470
EU-Italy	SPARVIERO UNO	ATEU0ITA00565
EU-Italy	VERGINE DE ROSARIO	ATEU0ITA00617
EU-Italy	MATTEO NOVELLA	ATEU0ITA00623
EU-Italy	ALTO MARE PRIMO	ATEU0ITA00631
EU-Italy	ANGELA MADRE	ATEU0ITA00635
EU-Italy	ANGELO CATANIA	ATEU0ITA00636
EU-Italy	ANGELA ARCELLA	ATEU0ITA00639
EU-Italy	FUTURA PRIMA	ATEU0ITA00651
EU-Italy	GENEVIEVE PRIMA	ATEU0ITA00654
EU-Italy	LUCIA MADRE	ATEU0ITA00664
EU-Italy	MICHELANGELO	ATEU0ITA00671
EU-Italy	GAETANO PADRE	ATEU0ITA00693
EU-Italy	MARIA GRAZIA	ATEU0ITA00694
EU-Malta	COSTABILE	ATEU0MLT01102
EU-Malta	MARIA MADRE	ATEU0MLT02619
*Egypt	Safinat Nooh	AT000EGY00010
Libya	NAWASI AL KIR 1	AT000LBY00015
Libya	JARJAROMA	AT000LBY00023
Libya	OEA	AT000LBY00026
Libya	ELHADER 2	AT000LBY00037
Libya	ALHARES 2	AT000LBY00074
Libya	ALBAHR ELHADER	AT000LBY00077
Libya	ALAMWAJE ALHADERE	AT000LBY00078
Libya	AL KAPTAN	AT000LBY00091
Libya	TAKNES	AT000LBY00092
Libya	NASEEP	AT000LBY00093
Libya	MEAJILLAN 1	AT000LBY00096
Libya	MALITA	AT000LBY00099
Libya	SALAM	AT000LBY00100
Libya	AL-FATAYEH	AT000LBY00111
Libya	SUPRATA	AT000LBY00115
Maroc	MEDIOUNA	AT000MAR01418
Maroc	SAAD ALLAH	AT000MAR04759
Maroc	AZROU 1	AT000MAR00081
Maroc	SONS	AT000MAR04760
Maroc	Mimouna-1	AT000MAR05031
Norway*	Vestbris	AT000NOR00017
Norway	Edna Synnøve	AT000NOR00021
Norway	Spjæringen	AT000NOR00018

<b>CPC</b>	<b>Vessel Details</b>	<b>Register Number</b>
Norway	M/S Sjarmør	AT000NOR00019
Norway	Orfjord	AT000NOR00012
Norway*	Bluefin	AT000NOR00004
Norway	Hillersøy	AT000NOR00001
Tunisia	Hadj Elhedi	AT000TUN00007
Tunisia	Hassene	AT000TUN00008
Tunisia	Imen	AT000TUN00010
Tunisia	Sallem	AT000TUN00023
Tunisia	Tapsus	AT000TUN00024
Tunisia	Tijani	AT000TUN00026
Tunisia	Ghedir El Gholla	AT000TUN00030
Tunisia	Ibn Rachiq	AT000TUN00037
Tunisia	Jawhar	AT000TUN00046
Tunisia	El Houssain	AT000TUN00049
Tunisia	Mohamed essadok	AT000TUN00051
Tunisia	Futuro 1	AT000TUN00065
Tunisia	Hadj Ahmed	AT000TUN00070
Tunisia	Denphir 1	AT000TUN00479
Tunisia	ZIED	AT000TUN00496
Tunisia	Mohamed Ali	AT000TUN00973
Tunisia	El Hajj EL Hammali	AT000TUN00979
Tunisia	MOHAMED SOFIENE	AT000TUN01156
Tunisia	RAFRAF II	AT000TUN01165
Tunisia	ABDERRAHIM	AT000TUN01166
Tunisia	Rais Ezzi	AT000TUN01383
Tunisia	Hadj Hedi	AT000TUN01384
Tunisia	Rachid Naceur	AT000TUN01385
Tunisia	Halima	AT000TUN01386
Tunisia	Karim	AT000TUN01387
Tunisia	Hadj Rebi	AT000TUN01388
Tunisia	Hadj Salah	AT000TUN01389
Tunisia	El Haj Khemais	AT000TUN01391
Tunisia	Rais Abdelaziz	AT000TUN01393
Tunisia	Jaafar	AT000TUN01394
Tunisia	Emna	AT000TUN01395
Tunisia	Hajja Fatma	AT000TUN01396
Tunisia	Habib Allah	AT000TUN01397
Tunisia	Yousra	AT000TUN01398
Tunisia	Mohamed Slim 3	AT000TUN01400
Tunisia	Nejah	AT000TUN01401
Tunisia	EL BEHI	AT000TUN01402
Tunisia	Nour El Houda	AT000TUN01403
Tunisia	Cap Sirrat 2	AT000TUN01404
Tunisia	Naceur	AT000TUN01405
Tunisia	Karim Allah	AT000TUN01406

<b>CPC</b>	<b>Vessel Details</b>	<b>Register Number</b>
Tunisia	Ibn El Walid	AT000TUN01407
Tunisia	Yassine	AT000TUN01408
Tunisia	M'hammed Rejeb	AT000TUN01410
Tunisia	Karim Allah 2	AT000TUN01411
Tunisia	Dar Essalem	AT000TUN01412
Tunisia	Kheir Allah	AT000TUN01413
Tunisia	Rays M'hamed	AT000TUN01414
Tunisia	Amor Hmida	AT000TUN01415
Tunisia	Ahmed	AT000TUN01416
Tunisia	Mohamed Makki	AT000TUN01417
Tunisia	Haroun	AT000TUN01418
Tunisia	Nada El Horra	AT000TUN01419
Tunisia	Neaamet Allah	AT000TUN01420
Türkiye	Kheir Allah	AT000TUR00004
Türkiye	TUNCAY SAGUN-6	AT000TUR00040
Türkiye	Amor Hmida	AT000TUR00296
Türkiye	HACI KİBAR	AT000TUR00447
Türkiye	ZAMAN AVCI-2	AT000TUR00449
Türkiye	TUNCAY SAGUN 2	AT000TUR00455
Türkiye	HICAZ-5	AT000TUR00497
Türkiye	TUNCAY SAGUN-7	AT000TUR07658
Türkiye	KORKMAZLAR BALIKÇILIK	AT000TUR07905
Türkiye	BANDIRMA BALIKÇILIK	AT000TUR08044
Türkiye	GEÇİCİLER BALIKÇILIK-2	AT000TUR07907
Türkiye	DURSUN ÇINAROĞLU	AT000TUR00131
Türkiye	BEDEVI REIS	AT000TUR00011
Türkiye	HABIBIN ENVER	AT000TUR00022
Türkiye	ARICIOGULLARI-2	AT000TUR00372
Türkiye	DENİZER	AT000TUR00501
Türkiye	EMINOĞULLARI-4	AT000TUR00283
Türkiye	FAT BALIKÇILIK	AT000TUR00020
Türkiye	KAZIM KULOĞLU	AT000TUR00028
Türkiye	MAMULİ REİS III	AT000TUR00033
Türkiye	CINAR İBRAHİM	AT000TUR00014
Türkiye	MAMULİ BALIKÇILIK	AT000TUR00406
Türkiye	CALISKAN KARDESLER	AT000TUR08078
Türkiye	KASIRGA-2	AT000TUR07906
Türkiye	MEHMET KAPTAN-7	AT000TUR00034
Türkiye	SOYDEMİRLER	AT000TUR00043

\*Cancelled

**Table 2.** Number of farm/trap deployments by year\*.

<i>Year</i>	<i>Number of farm deployments</i>	<i>Number of trap deployments</i>
2009	3	
2010	41	
2011	53	
2012	51	
2013	50	2
2014	45	3
2015	52	3
2016	53	2
2017	49	2
2018	56	4
2019	69	4
2020	67	3
2021	61	1
2022	81	3
2023	66	2
2024	72	2

\* As of 1 October 2024.

**Table 3.** Farming facilities on which ICCAT Regional Observers were deployed in 2022-2024.

<i>CPC</i>	<i>2022</i>	<i>2023</i>	<i>2024</i>
Albania	AT001ALB00001	AT001ALB00001	AT001ALB00001
EU-Croatia	ATEU1HRV00006	ATEU1HRV00006	ATEU1HRV00006
EU-Croatia	ATEU1HRV00008	ATEU1HRV00008	ATEU1HRV00008
EU-Croatia	ATEU1HRV00011	ATEU1HRV00011	ATEU1HRV00011
EU-Croatia	ATEU1HRV00012	ATEU1HRV00012	ATEU1HRV00012
EU-Italy		ATEU1ITA00015	
EU-Malta	ATEU1MLT00001	ATEU1MLT00001	ATEU1MLT00001
EU-Malta	ATEU1MLT00002	ATEU1MLT00002	ATEU1MLT00002
EU-Malta	ATEU1MLT00003	ATEU1MLT00003	ATEU1MLT00003
EU-Malta	ATEU1MLT00004	ATEU1MLT00004	ATEU1MLT00004
EU-Malta	ATEU1MLT00007	ATEU1MLT00007	ATEU1MLT00007
EU-Malta	ATEU1MLT00008	ATEU1MLT00008	ATEU1MLT00008
EU-Portugal	ATEU1PRT00002	ATEU1PRT00002	ATEU1PRT00002
EU-Portugal	ATEU1PRT00003	ATEU1PRT00003	ATEU1PRT00003
EU-Spain	ATEU1ESP00001	ATEU1ESP00001	ATEU1ESP00001
EU-Spain	ATEU1ESP00003	ATEU1ESP00003	ATEU1ESP00003
EU-Spain		ATEU1ESP00004	ATEU1ESP00004
EU-Spain	ATEU1ESP00005	ATEU1ESP00005	ATEU1ESP00005
EU-Spain			ATEU1ESP00011
EU-Spain			ATEU1ESP00014
Morocco	AT001MAR00002	AT001MAR00002	AT001MAR00002
Morocco	AT001MAR00003	AT001MAR00003	AT001MAR00003
Morocco	AT001MAR00004	AT001MAR00004	AT001MAR00004
Morocco			AT001MAR00005
Tunisia	AT001TUN00001	AT001TUN00001	AT001TUN00001
Tunisia	AT001TUN00002	AT001TUN00002	AT001TUN00002
Tunisia			AT001TUN00003
Tunisia	AT001TUN00004		AT001TUN00004
Türkiye	AT001TUR00004*	AT001TUR00004*	AT001TUR00004*
Türkiye	AT001TUR00005*	AT001TUR00005*	AT001TUR00005*
Türkiye	AT001TUR00010	AT001TUR00010	AT001TUR00010
Türkiye	AT001TUR00011	AT001TUR00011	AT001TUR00011
Türkiye	AT001TUR00013*	AT001TUR00013*	AT001TUR00013*
Türkiye	AT001TUR00014	AT001TUR00014	AT001TUR00014

\*These constitute one farm with three licences.



**Table 4.** Traps observed under the ICCAT Regional Observers Programme (ROP) in 2022-2024.

<i>CPC</i>	<i>2022</i>	<i>2023</i>	<i>2024</i>
EU-Italy	ATEU2ITA00003	ATEU2ITA00003	ATEU2ITA00003
EU-Italy	ATEU2ITA00008	ATEU2ITA00008	
EU-Italy	ATEU2ITA00009	ATEU2ITA00009	ATEU2ITA00009
EU-Portugal	ATEU2PRT00001	ATEU2PRT00001	ATEU2PRT00001
EU-Portugal		ATEU2PRT00002	ATEU2PRT00002
Morocco	AT002MAR00001	AT002MAR00001	AT002MAR00001
Morocco	AT002MAR00002	AT002MAR00002	AT002MAR00002
Morocco	AT002MAR00003	AT002MAR00003	AT002MAR00003
Morocco	AT002MAR00004		AT002MAR00004
Morocco	AT002MAR00005	AT002MAR00005	AT002MAR00005
Morocco	AT002MAR00006	AT002MAR00006	AT002MAR00006
Morocco	AT002MAR00007	AT002MAR00007	AT002MAR00007
Morocco	AT002MAR00008	AT002MAR00008	AT002MAR00008
Morocco	AT002MAR00009	AT002MAR00009	AT002MAR00009
Morocco	AT002MAR00010	AT002MAR00010	AT002MAR00010
Morocco	AT002MAR00011	AT002MAR00011	AT002MAR00011
Morocco	AT002MAR00012	AT002MAR00012	AT002MAR00012
Morocco	AT002MAR00013	AT002MAR00013	AT002MAR00013
Morocco	AT002MAR00014	AT002MAR00014	AT002MAR00014
Morocco	AT002MAR00015	AT002MAR00015	AT002MAR00015
Morocco	AT002MAR00016	AT002MAR00016	AT002MAR00016
Morocco	AT002MAR00017	AT002MAR00017	AT002MAR00017
Morocco	AT002MAR00018	AT002MAR00018	AT002MAR00018

**Consortium's report on the implementation of the  
ICCAT Regional Observer Programme for east Atlantic and Mediterranean bluefin tuna (ROP-BFT)**

*(Executive Summary)*

The service provider for implementing year fifteen (April 2024 / March 2025) of the ICCAT ROP-BFT (hereafter the Programme) comprises of a Consortium led by the Marine Resources Assessment Group (MRAG) Ltd (hereafter MRAG) based in London, UK, and the *Coopération Française pour l'Exploitation des Ressources de la Mer* (COFREPECHE) in Paris, France. The Consortium is assisted by regional partners (Sür-Koop in Türkiye, and Oceanis in Italy and Malta), as well as regional hubs managed by associate staff in Algeria, Croatia, Portugal and Spain (hereafter the Consortium) (**Table 1**).

**Table 1.** List of regional partners and hubs

<b>Region</b>	<b>CPC Coverage</b>	<b>Consortium &amp; Associates Coverage</b>
Eastern Mediterranean and Adriatic Sea	Türkiye EU.Croatia Libya Morocco	MRAG (UK) Sür-Koop (Türkiye) MRAG Associate staff (Croatia)
Southern and central Mediterranean	Türkiye Libya Algeria Tunisia Morocco Albania	Cofrepeche (France) Cofrepeche Associate staff (Algeria and Tunisia) Sür-Koop (Türkiye) Oceanis (Malta)
Western Mediterranean	EU.Cyprus EU.France EU.Italy EU.Malta EU.Portugal EU.Spain	MRAG (UK) Cofrepeche (France) MRAG Associate staff (Spain) MRAG Associate staff (Portugal) Oceanis (Italy and Malta)
Norway	Norway	MRAG (UK) MRAG Associate staff (Spain) MRAG Associate staff (Croatia)

The Programme allows the ICCAT to assess compliance with the regulatory framework. This report summarises a total of 209 deployments on authorised purse seiners during the 2024 fishing season, as well as the 37 farm and 2 trap deployments completed to date since the start of the current contract. In addition, 33 farm deployments are included from the previous season following the submission of the last annual report and the start of the current contract for services.

One hundred percent observer coverage has been achieved on all authorised purse seiners, farms and traps within the remit of the Programme, which included monitoring fishing, transfer, caging, release and harvesting activities.

This report describes the key issues and developments in implementing the Programme in year fifteen in line with the requirements. These are divided into operational and technical categories and provide perspective on issues that affected the observer role during deployments. The ability of observers to estimate numbers of tuna and comparisons with official estimates during transfer and caging operations are reviewed. Potential non-compliance events (PNC) recorded by observers are summarised, including both those reported for transfer and caging operations as well as for general events.