

ELEXION

**Technical Assurance of Metering (TAM)
Stats Report Q1 2022-2023**

Overview

The following analyses have been split into four sections:

- Engagement, covering cancellation and no access rates for site visits and cancellation and confirmation failure rates for desktop audits
- Supplier Volume Allocation (SVA) Desktop Audits Non-compliances
- SVA Main Sample Non-compliances
- Central Volume Allocation (CVA) Non-compliances

Each section begins with a short overview and some high-level conclusions from the information that follows.

Peer comparisons of participant performance have been **not** been included. The sample sizes for the TAA Audit are such that it is not a statistically reliable indicator of participant performance.

Elexon welcomes feedback from Members on the format of the report, as well as suggestions for further improvements.

ENGAGEMENT

The following graphs show the proportion of each type of audit (SVA Main Sample, SVA Desktop Audit, and CVA Main Sample) that were accepted, cancelled, or could not go ahead because of a failure to secure access (or for the Supplier to confirm the audit in the case of Desktop Audits). The actual number of audits making up these proportions are shown in the data tables below.

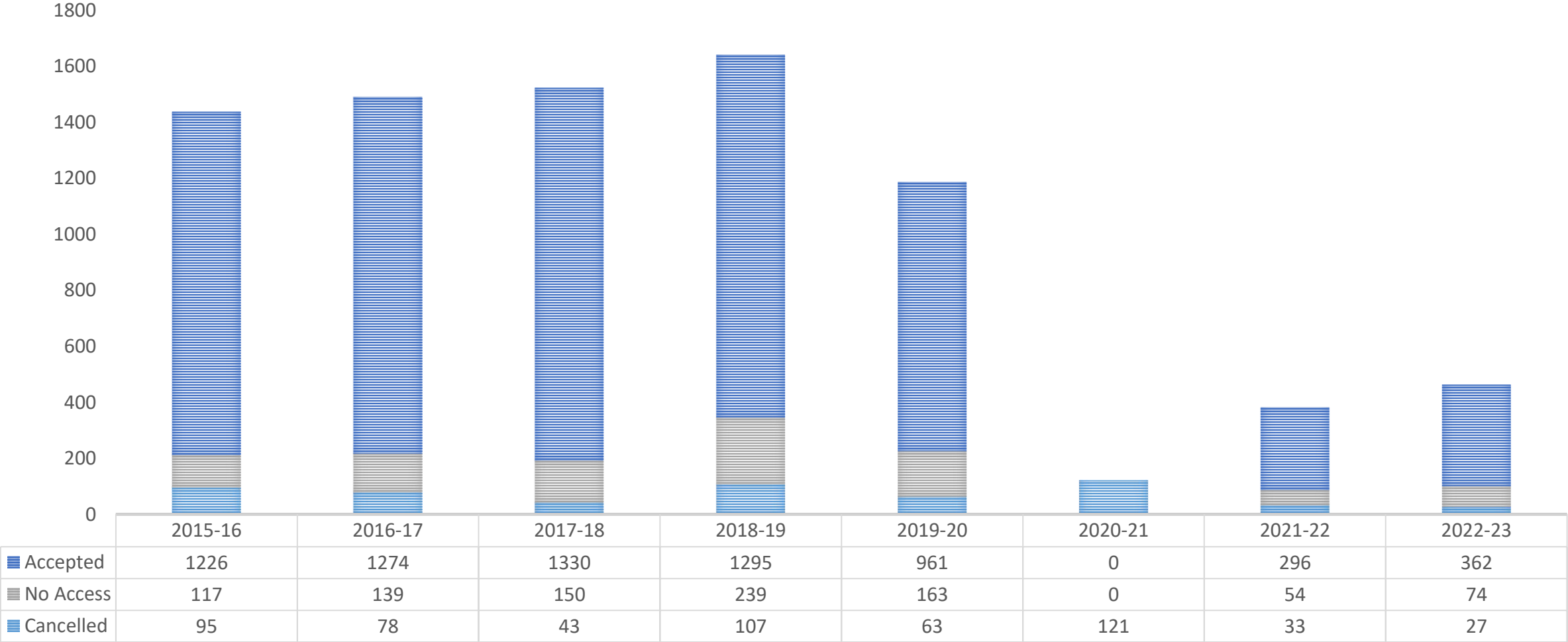
The completion rate for the SVA Main Sample remains steady across the period from 2018-2019. The current audit year to date has seen a reversal of the trend in the previous year, with a reduction in the number of cancelled audits offset by a rise in the No Access rate.

The completion rate for Desktop Audits continues to lag behind the main sample, and there has been a marked increase in Suppliers failing to complete the initial confirmation of an audit. Elexon will be contacting the Suppliers in question directly to address this.

100% of scheduled CVA Audits have been completed to date.

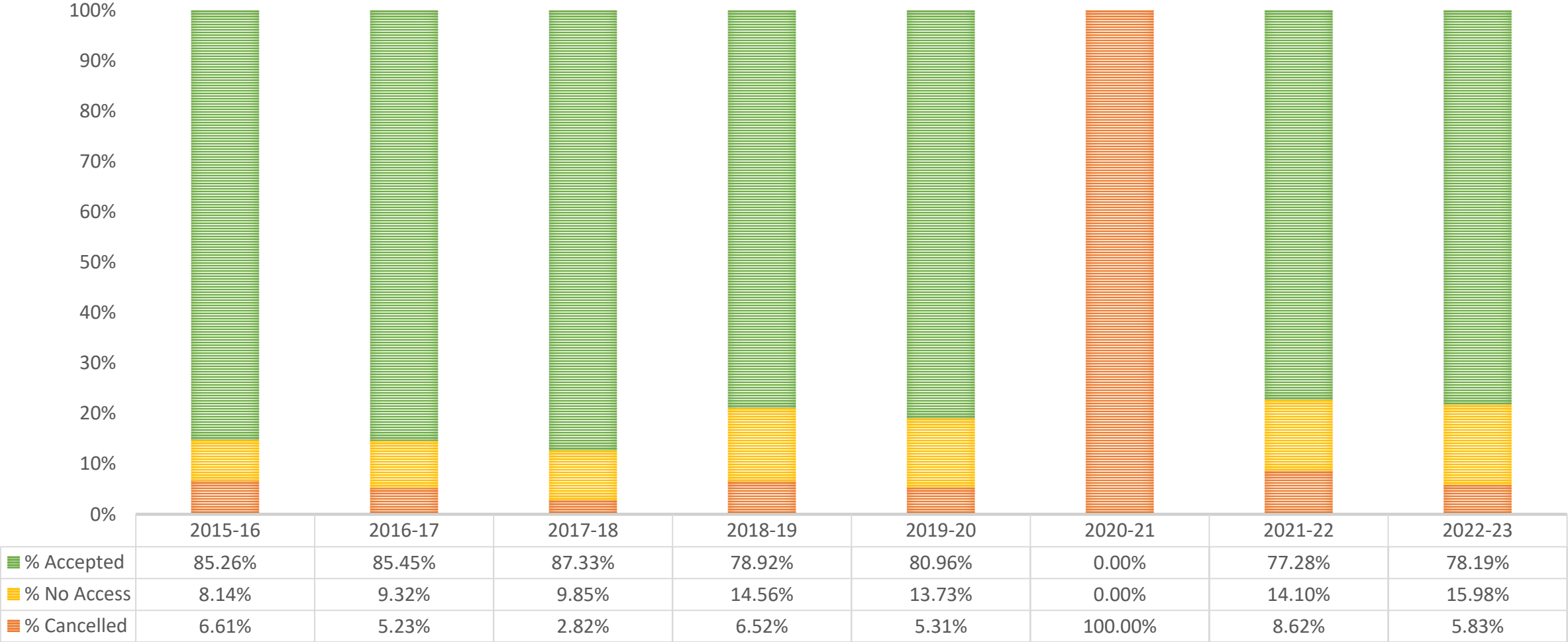
Technical Assurance of Metering (TAM) – Engagement

SVA Main Sample – Cancellation and No Access Rates, Year-on-Year



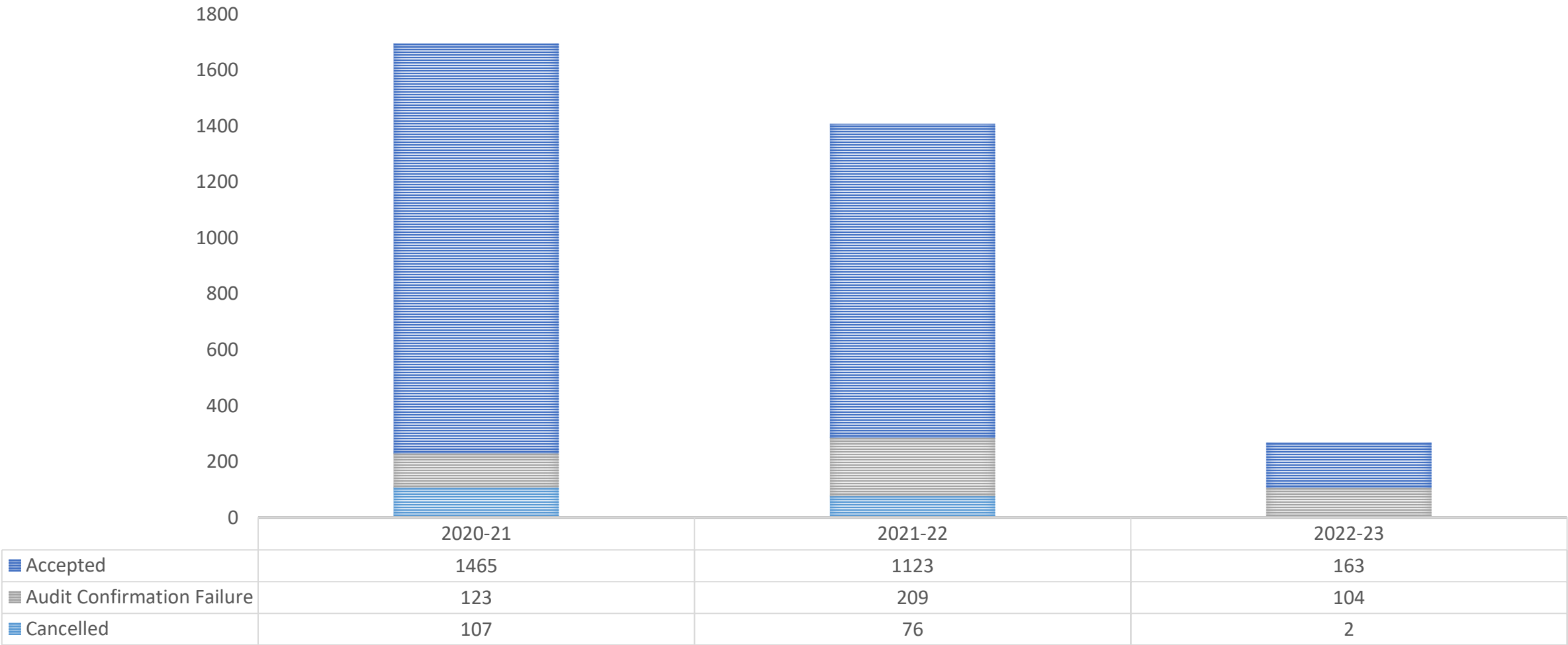
Technical Assurance of Metering (TAM) – Engagement

SVA Main Sample – Cancellation and No Access Rates, Year-on-Year



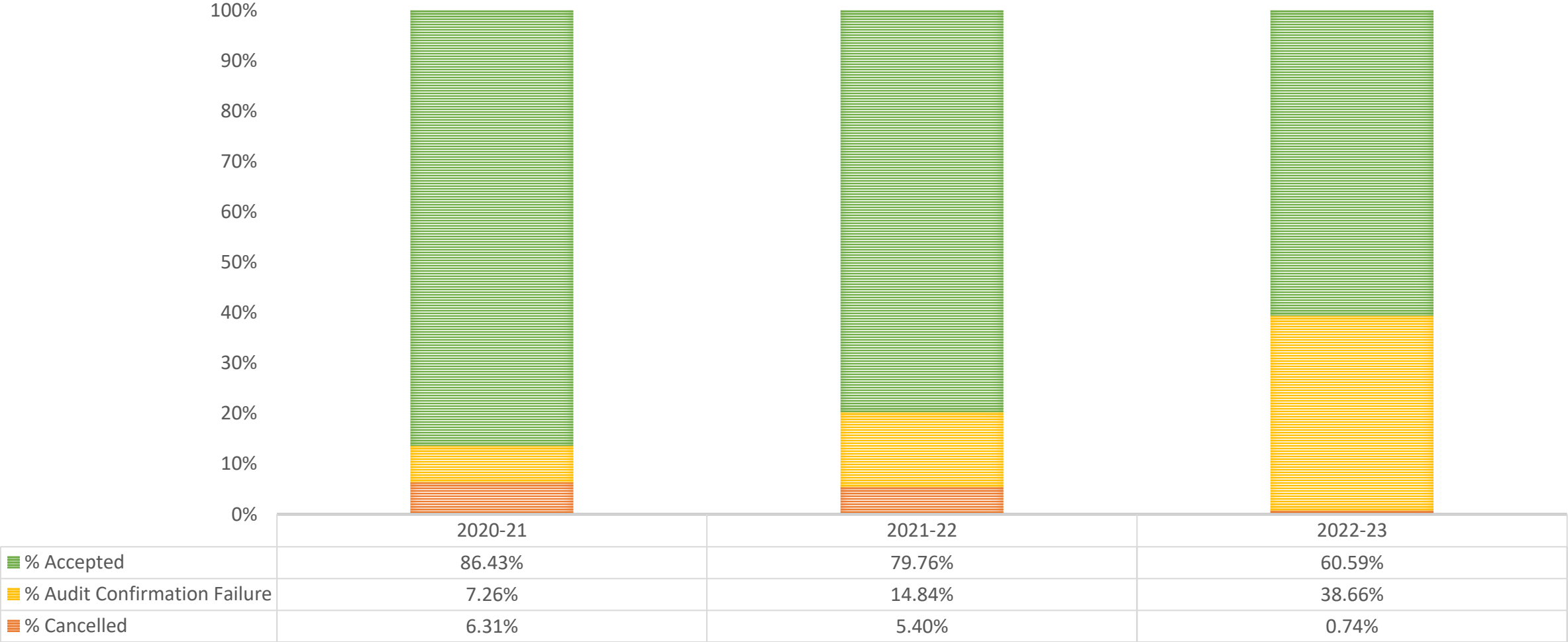
Technical Assurance of Metering (TAM) – Engagement

SVA Desktop Audits – Cancellation and Confirmation Failure Rates, Year-on-Year



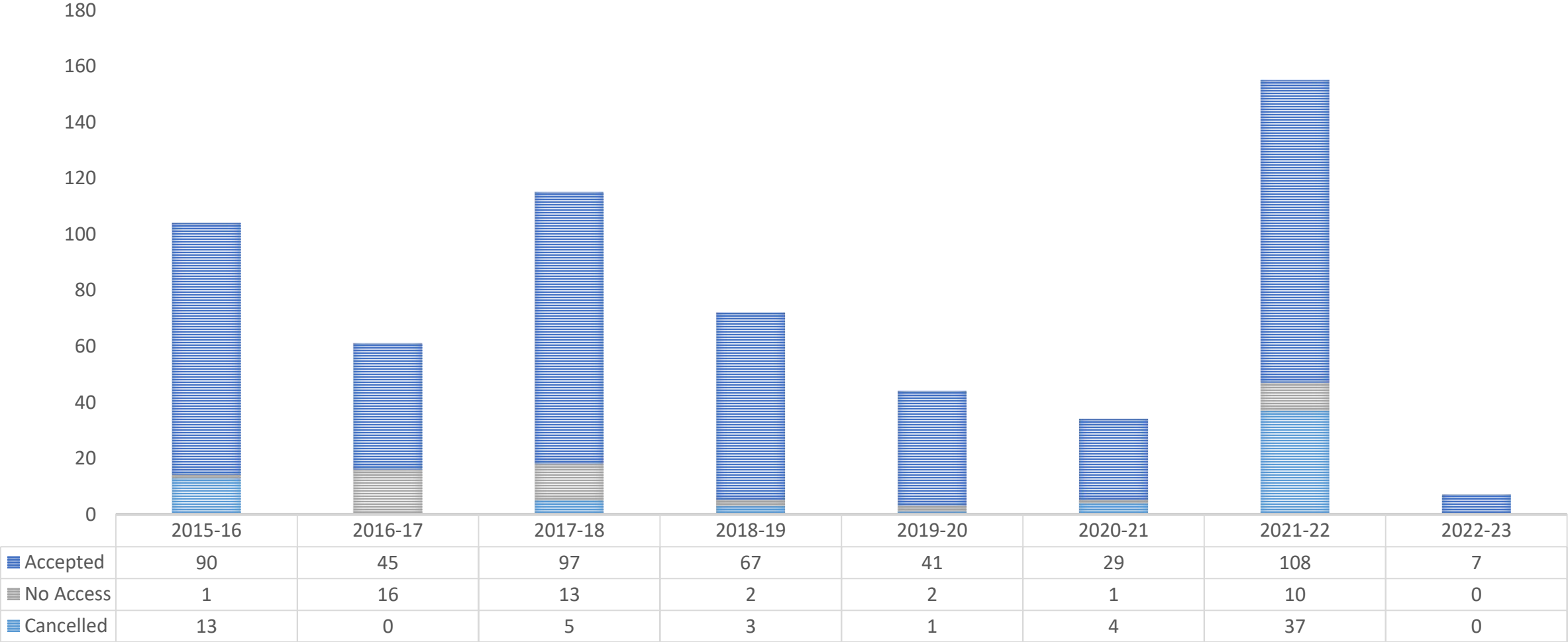
Technical Assurance of Metering (TAM) – Engagement

SVA Desktop Audits – Cancellation and Confirmation Failure Rates, Year-on-Year



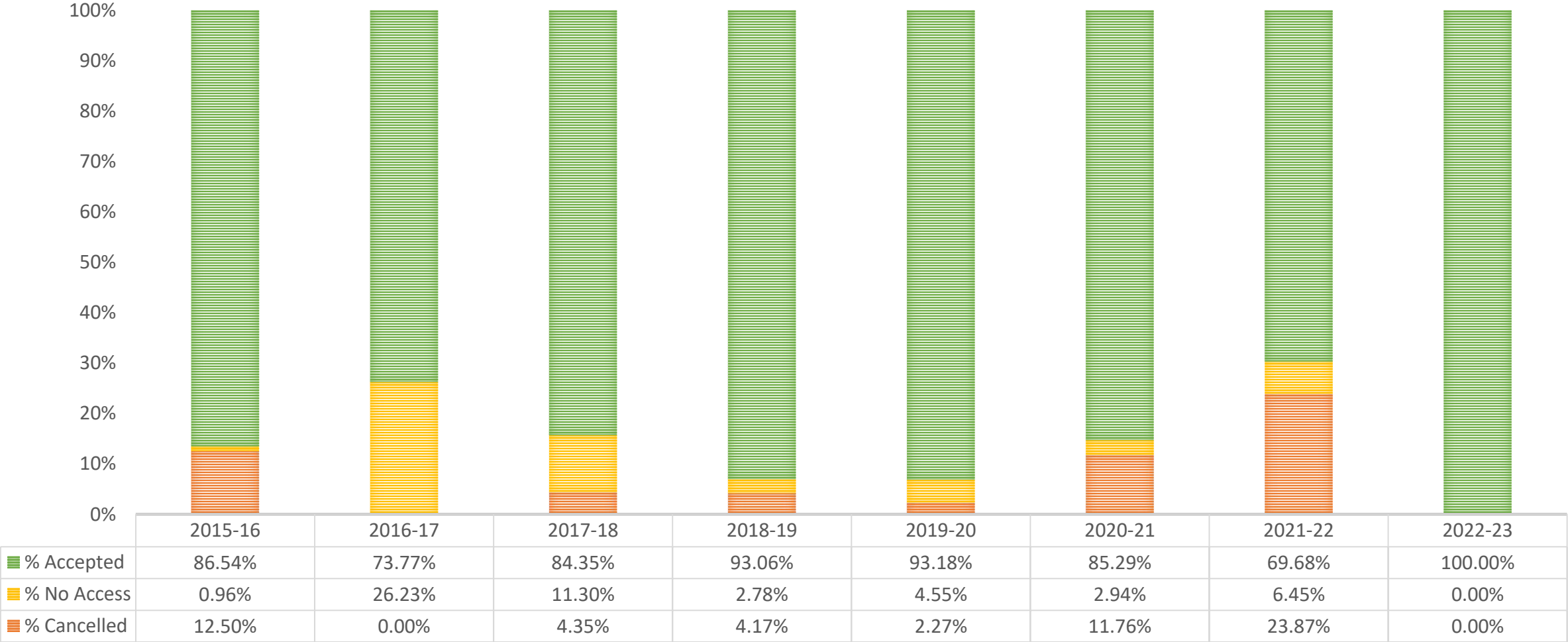
Technical Assurance of Metering (TAM) – Engagement

CVA Main Sample – Cancellation and No Access Rates, Year-on-Year



Technical Assurance of Metering (TAM) – Engagement

CVA Main Sample – Cancellation and No Access Rates, Year-on-Year



SVA MAIN SAMPLE NON- COMPLIANCES

SVA Main Sample

The following graphs show the percentage of SVA Main Sample audits resulting in a Category 1 non-compliance (“deemed to be currently affecting the quality of data for Settlement purposes”) as well the average number of Category 2 non-compliances (“deemed to *potentially* affect the quality of data for Settlement purposes”) recorded per completed audit, year-on-year.

For each category, a breakdown is provided showing the proportion of the total made up by the various sub-categories. The actual number of findings is shown in the data tables below.

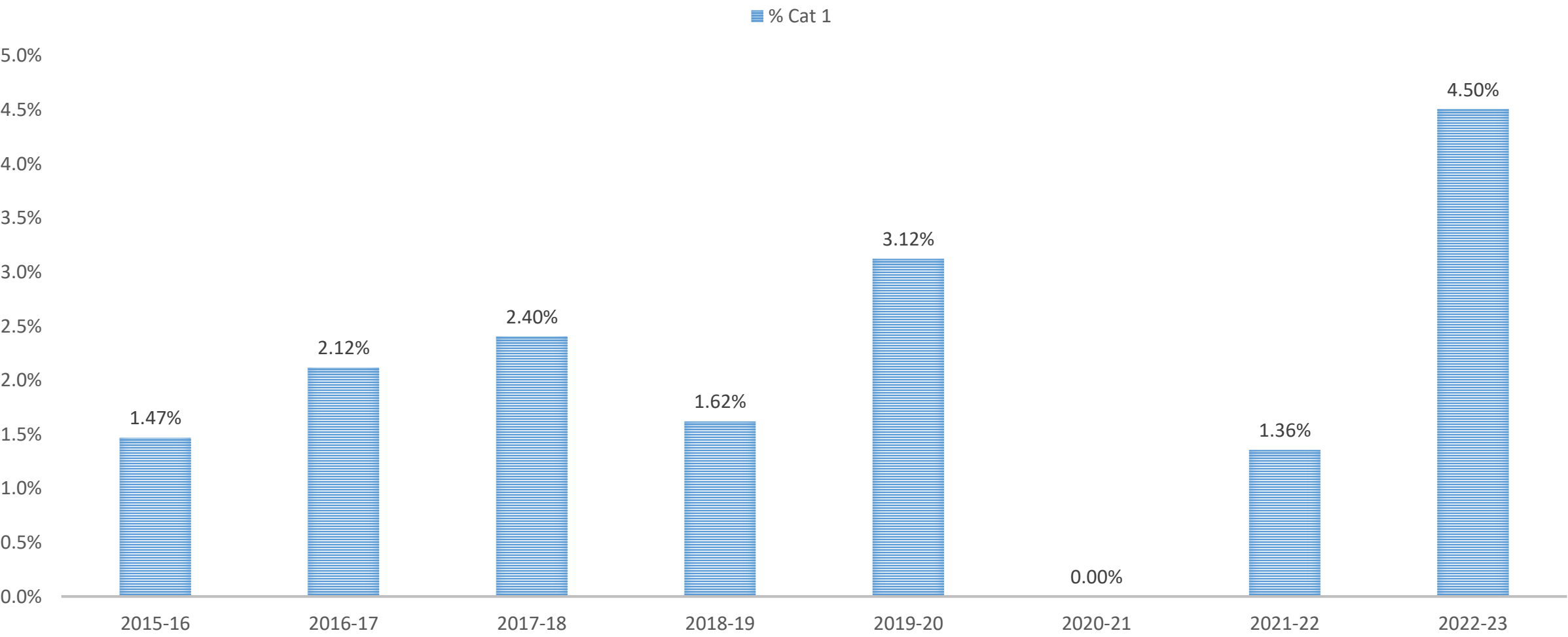
Graphs have also been included to show the extent to which non-compliances in each audit year have been rectified.

Overall, the frequency with which both categories of non-compliance are recorded has increased in the year to date, although the proportions of each sub-category making up the total have remained relatively steady.

Current trends shows a continued concentration of non-compliances over proportionally fewer audits.

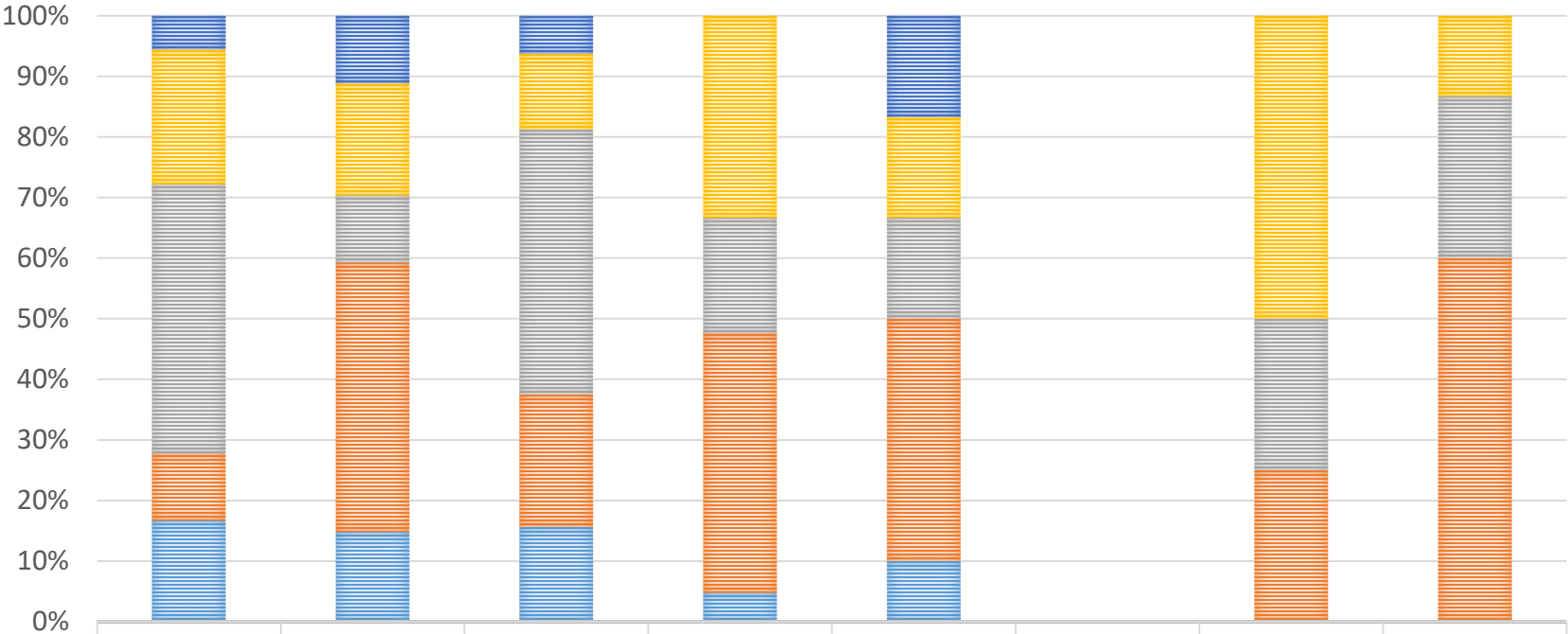
Technical Assurance of Metering (TAM) – SVA Main Sample

% of Completed Audits Recording a Category 1 Non-Compliance



Technical Assurance of Metering (TAM) – SVA Main Sample

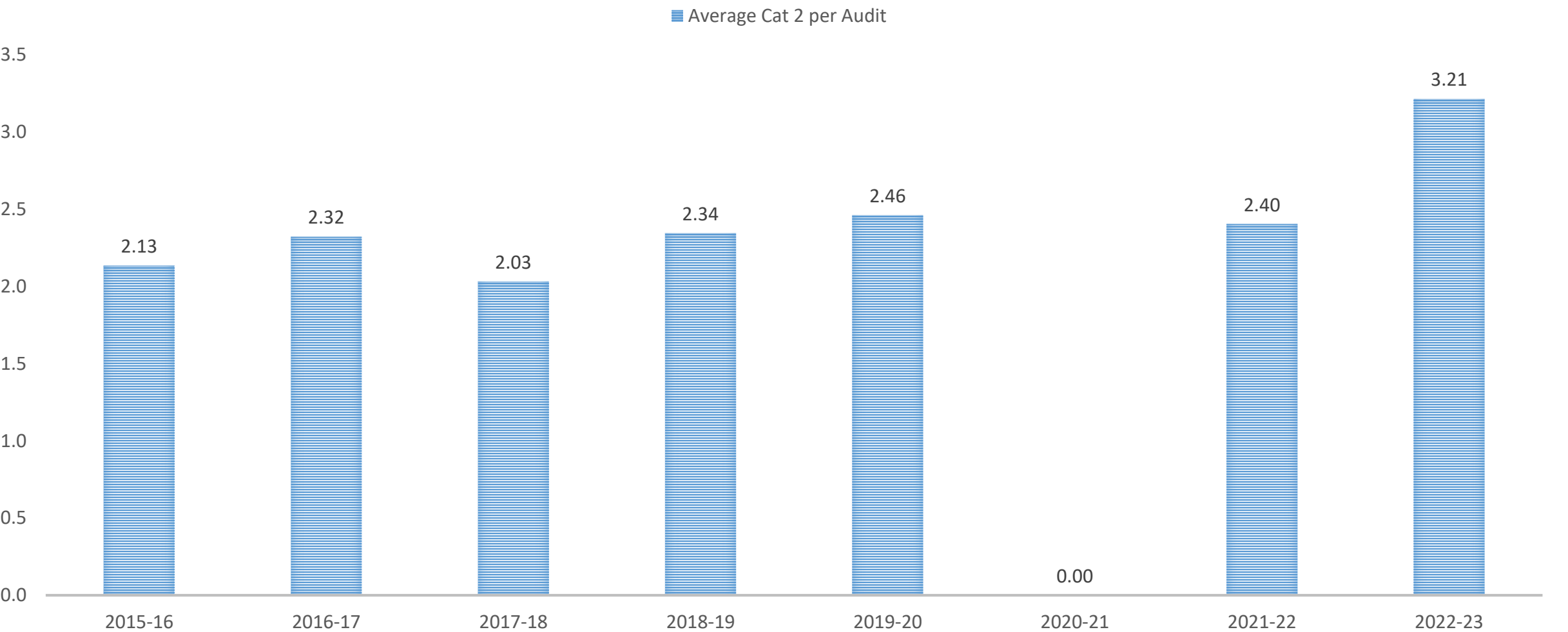
Breakdown of Category 1 Non-Compliances by Type



1.06 Miscellaneous	1	3	2	0	5	0	0	0
1.04 Measurement Transformer Ratios Physically Incorrect	4	5	4	7	5	0	2	2
1.03 Timing Error (Major)	8	3	14	4	5	0	1	4
1.02 Metering Equipment Incorrect or Unsatisfactory	2	12	7	9	12	0	1	9
1.01 Inaccuracy of Standing Data (Key MTD fields) held by Data Collector	3	4	5	1	3	0	0	0

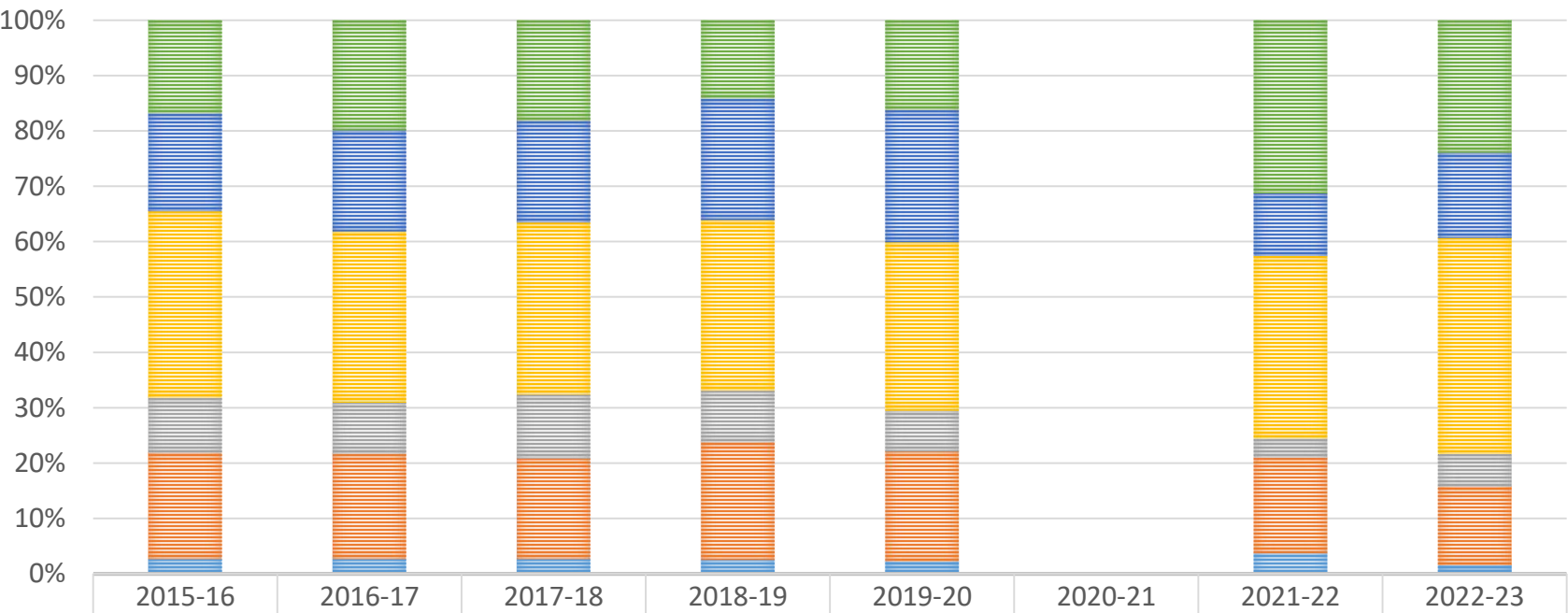
Technical Assurance of Metering (TAM) – SVA Main Sample

Average Category 2 Non-Compliances Recorded per Completed Audit



Technical Assurance of Metering (TAM) – SVA Main Sample

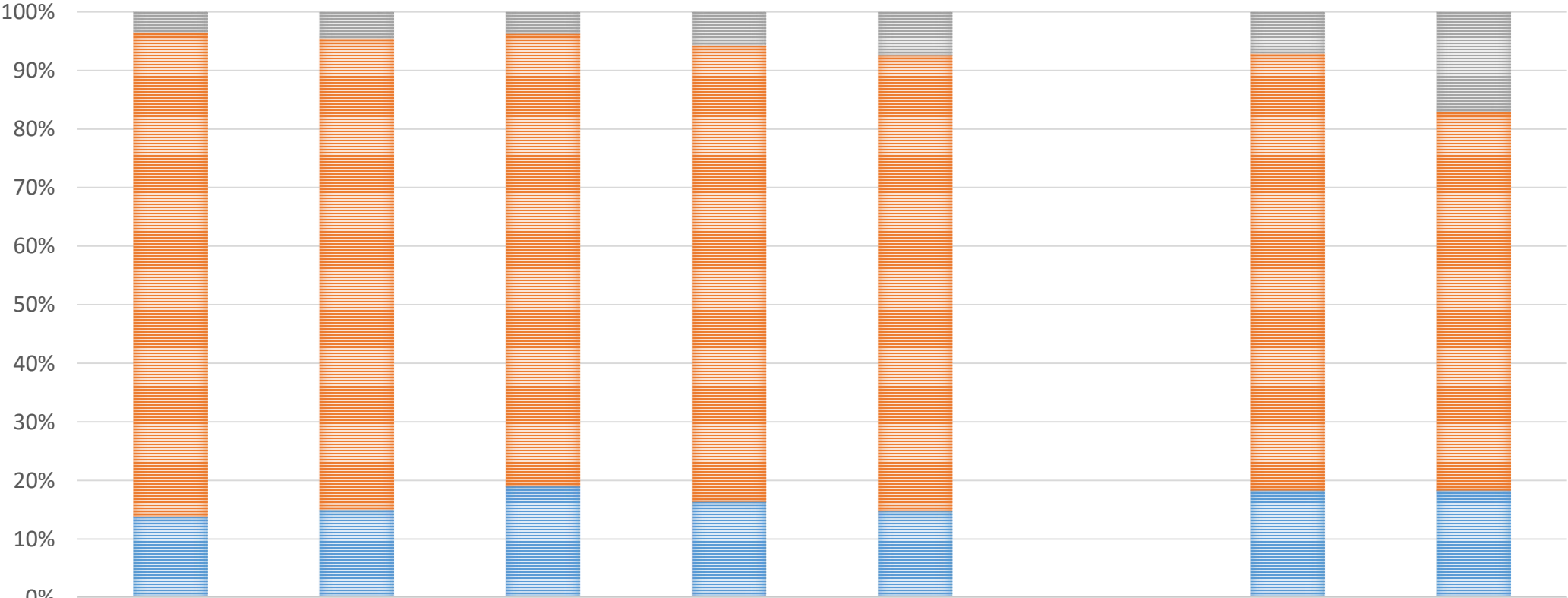
Breakdown of Category 2 Non-Compliances by Type



2.17 Meter Certificates not provided or incorrect	440	590	491	431	384	0	222	256
2.16 Measurement Transformer Certificates not provided or incorrect	464	540	497	666	564	0	80	165
2.15 Commissioning Records not provided or incorrect	882	916	841	938	720	0	234	418
2.13 Miscellaneous	258	272	311	282	174	0	24	62
2.06 - 2.11, 2.14 Metering Equipment and Installation	504	566	491	647	469	0	123	152
2.01 - 2.03 Standing Data	69	78	72	76	53	0	26	17

Technical Assurance of Metering (TAM) – SVA Main Sample

Distribution of Non-compliances by Completed Audit

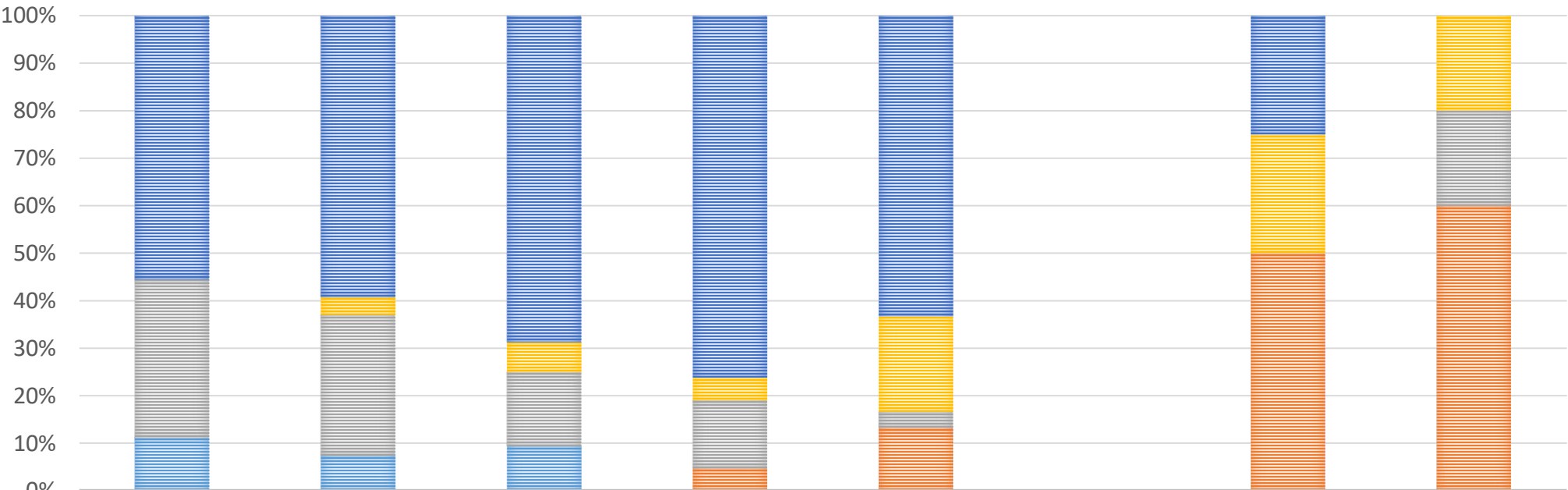


	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
6 or more Non-compliances	43	58	50	74	72	0	21	57
1-5 Non-compliances	1013	1026	1028	1011	747	0	220	215
0 Non-compliances	170	192	253	212	142	0	54	61

Technical Assurance of Metering (TAM) – SVA Main Sample

Resolution of Category 1 Non-Compliances

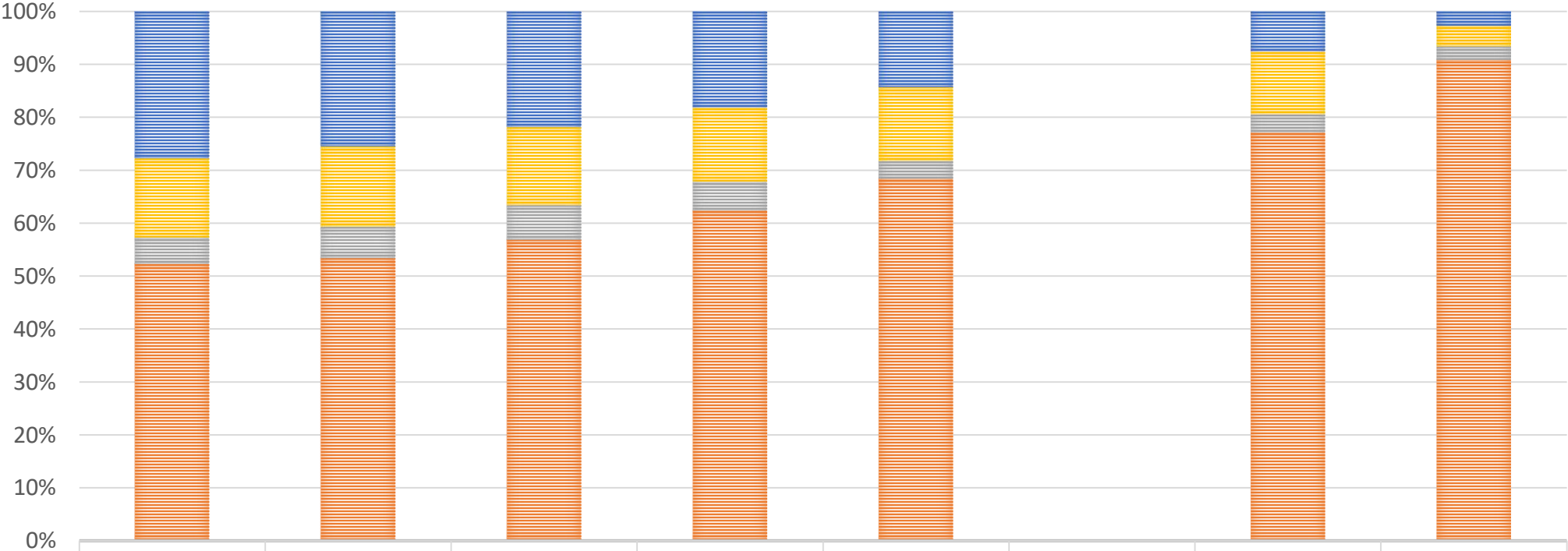
Closed Non-Compliance Outstanding Rectified During Inspection Visit Rectified Pending Confirmation Resolved



	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Resolved	10	16	22	16	19	0	1	0
Rectified Pending Confirmation	0	1	2	1	6	0	1	3
Rectified During Inspection Visit	6	8	5	3	1	0	0	3
Non-Compliance Outstanding	0	0	0	1	4	0	2	9
Closed	2	2	3	0	0	0	0	0

Technical Assurance of Metering (TAM) – SVA Main Sample

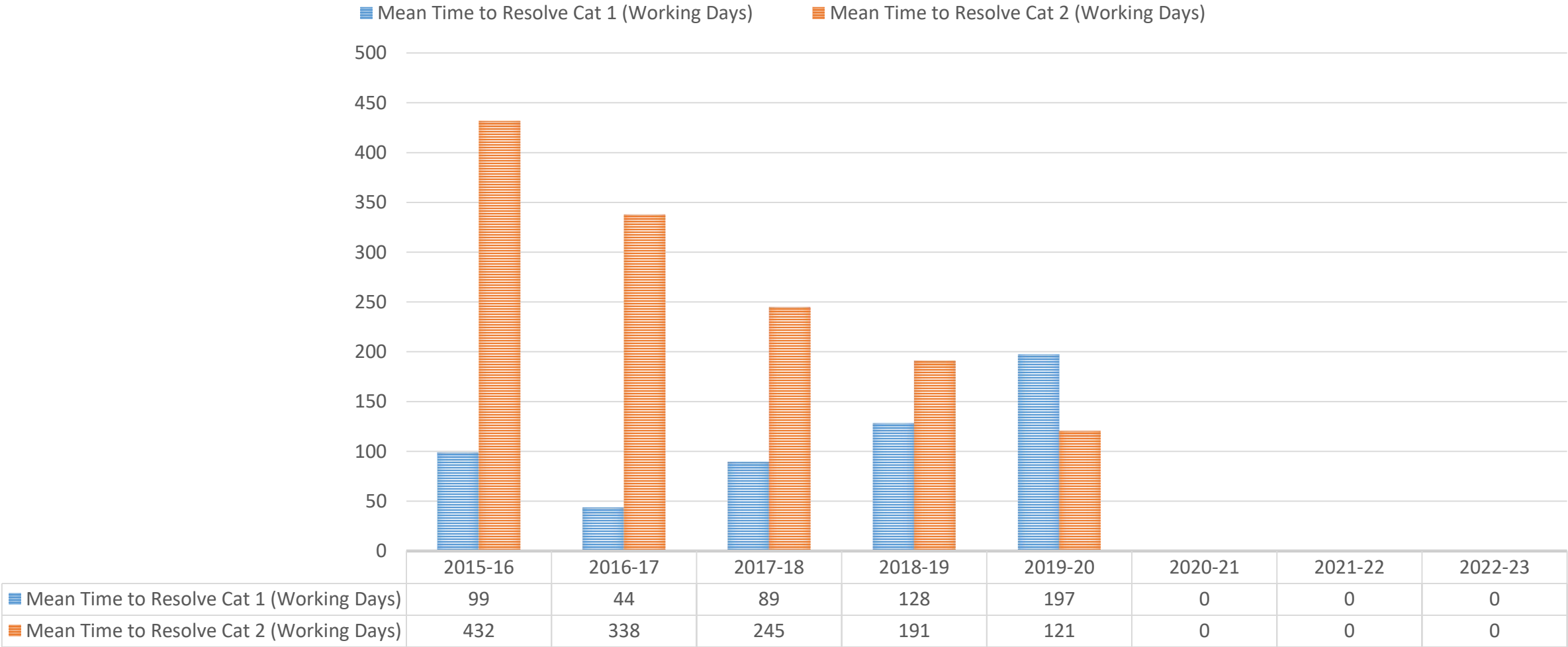
Resolution of Category 2 Non-Compliances



	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Resolved	727	755	591	553	339	0	54	29
Rectified Pending Confirmation	390	450	399	426	329	0	84	42
Rectified During Inspection Visit	131	175	175	164	79	0	24	27
Non-Compliance Outstanding	1366	1581	1532	1896	1616	0	547	972
Closed	3	1	6	1	1	0	0	0

Technical Assurance of Metering (TAM) – SVA Main Sample

Resolution Timescales



SVA DESKTOP AUDIT NON- COMPLIANCES

SVA Desktop Audits

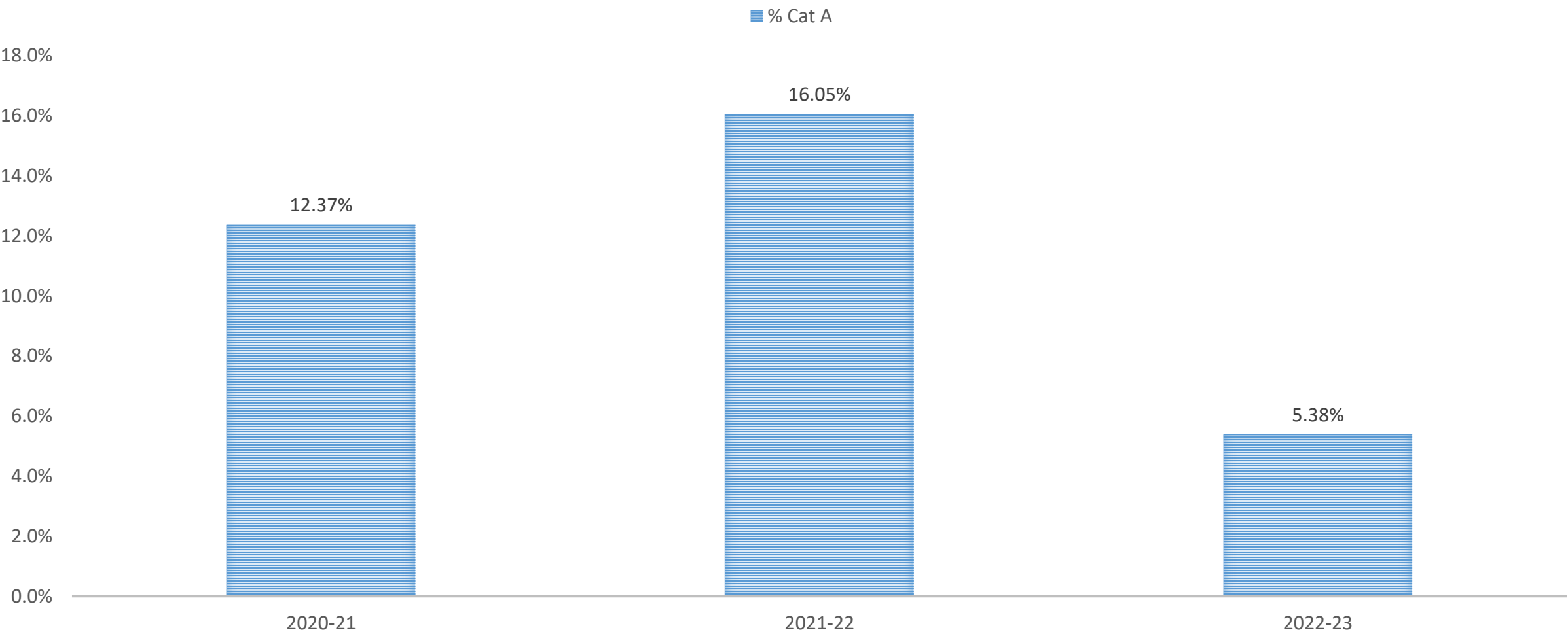
The following graphs show the percentage of SVA Main Sample Audits resulting in a Category A non-compliance (“deemed to be currently affecting, or has a high likelihood of affecting, the quality of data for Settlement purposes”) as well the average number of Category B non-compliances (“deemed to have a lower likelihood of affecting the quality of data for Settlement purposes”) recorded per completed audit, year-on-year.

For each category, a breakdown is provided showing the proportion of the total made up by the various sub-category. The actual number of findings making up these proportions are shown in the data tables below, or on the columns themselves.

Graphs have also been included to show the extent to which non-compliances in each audit year have been rectified.

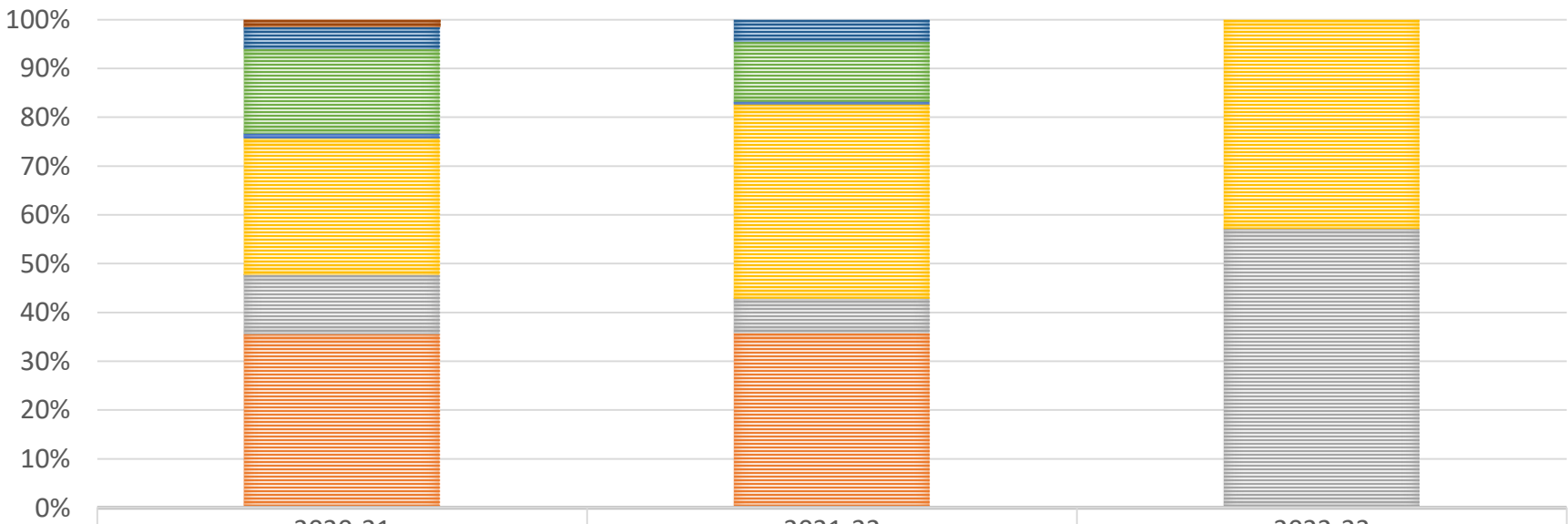
Technical Assurance of Metering (TAM) – SVA Main Sample

% of Completed Audits Recording a Category A Non-Compliance



Technical Assurance of Metering (TAM) – SVA Main Sample

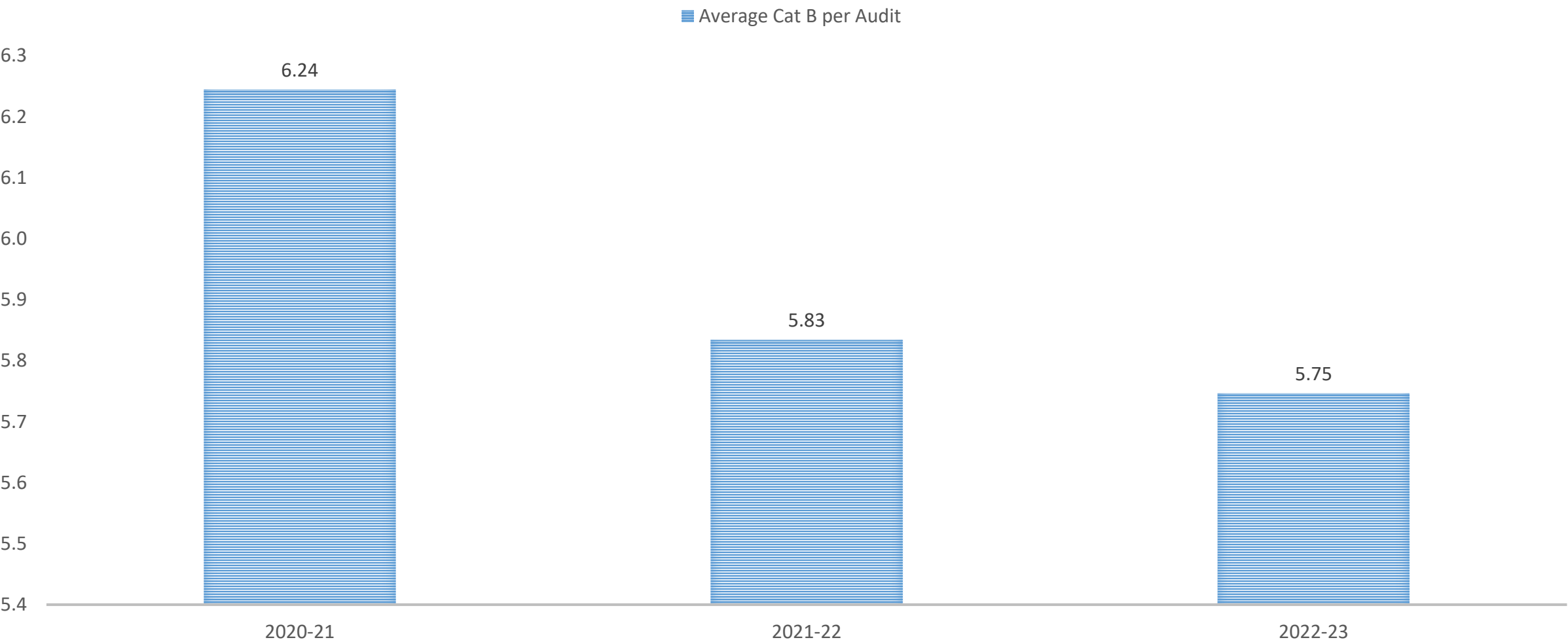
Breakdown of Category A Non-Compliances by Type



	2020-21	2021-22	2022-23
A.14 Number of circuits mismatch	3	0	0
A.10 Mini-MAR is outside of tolerance	9	9	0
A.9 D0268 mismatch (standing data)	34	24	0
A.7 Overall Accuracy outside of limits	2	1	0
A.6 Settlement data mismatch	55	78	3
A.5 Suspect data on Commissioning evidence provided	24	14	4
A.4 Measurement transformer ratio mismatch	70	70	0
A.3 Allocation schedule mismatch	0	0	0

Technical Assurance of Metering (TAM) – SVA Main Sample

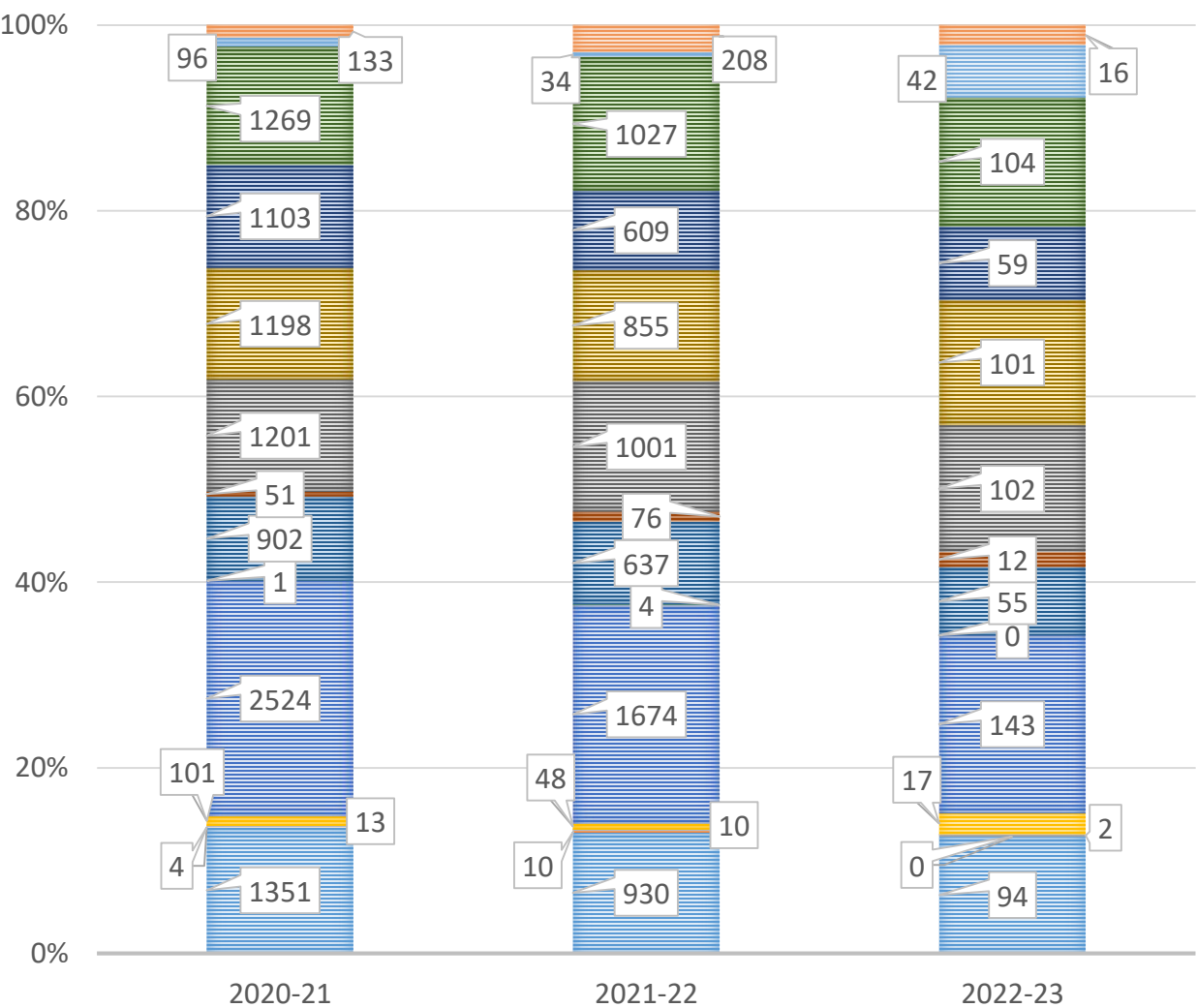
Average Category B Non-Compliances Recorded per Completed Audit



Technical Assurance of Metering (TAM) – SVA Main Sample

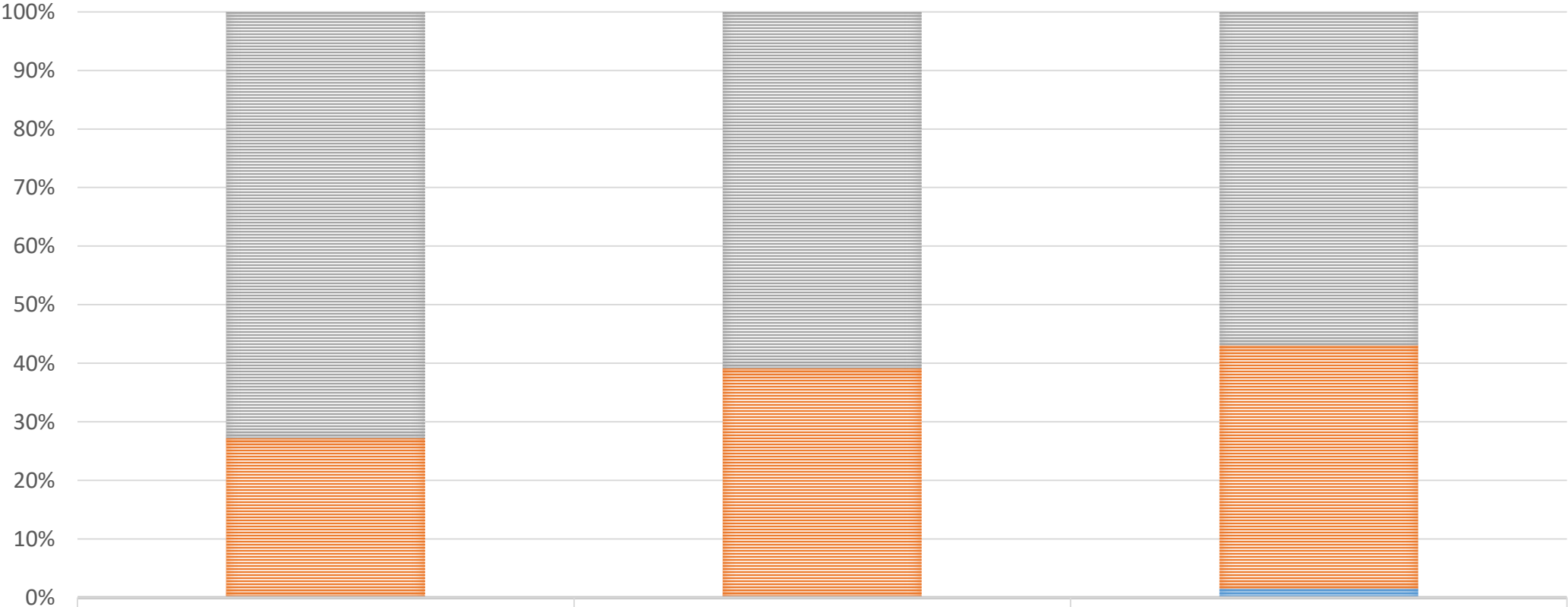
Breakdown of Category B Non-Compliances by Type

- B.18 Mini-Mar not provided
- B.17 Overall accuracy calculation not provided
- B.16 Missing CT/VT certificates (Post Nov 18) or supporting evidence for overall accuracy
- B.15 Missing Commissioning record Part 1 (Post Nov 18)
- B.14 Missing D0215
- B.13 Missing Meter certificates/supporting evidence
- B.12 CT/VT Certificates (Pre Nov 18) or supporting evidence for overall accuracy not provided
- B.11 Commissioning record (part 2) not provided
- B.10 Compensation figures not provided
- B.9 Settlement data (3 days) not provided
- B.8 Request for metering system investigation (D0001) and fault resolution report (D0002) not provided
- B.7 Allocation Schedule not provided
- B.4 Complex site form not provided
- B.1 D0268 not provided



Technical Assurance of Metering (TAM) – SVA Main Sample

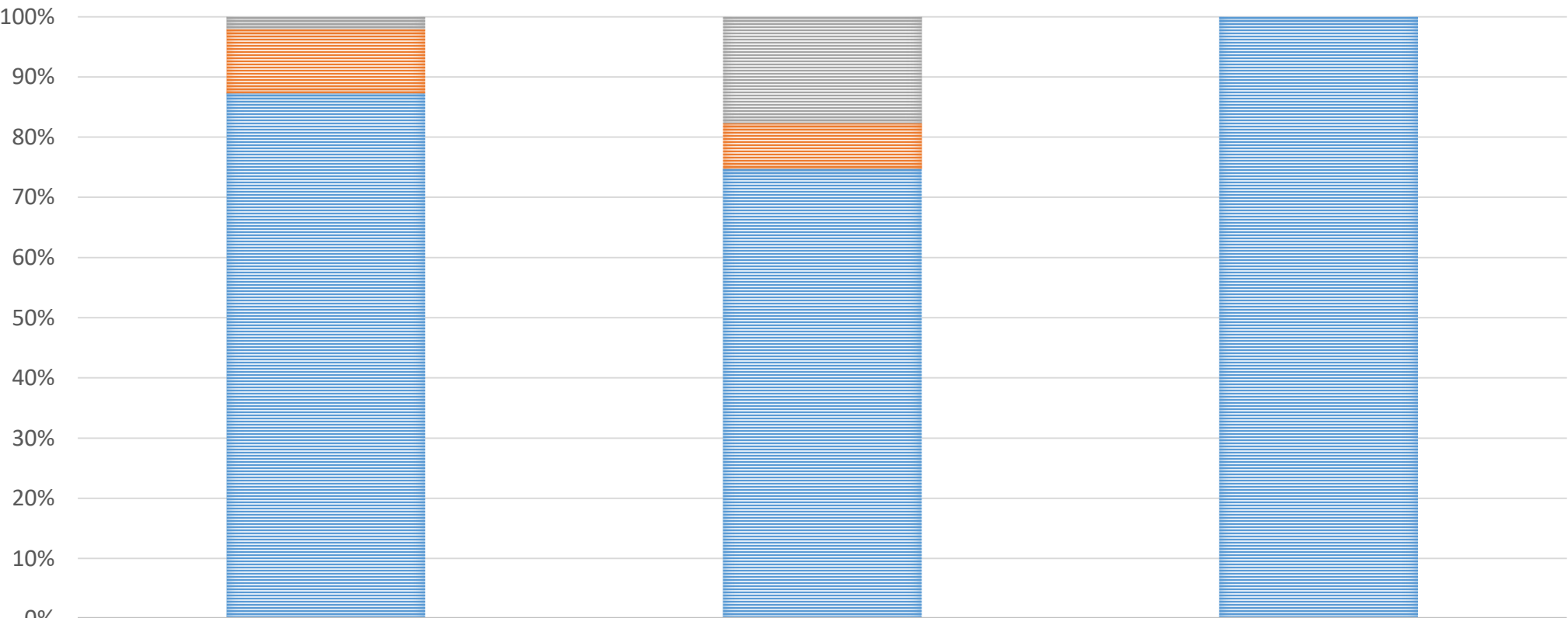
Distribution of Non-compliances by Completed Audit



	2020-21	2021-22	2022-23
6 or more Non-compliances	1159	743	74
1-5 Non-compliances	430	475	54
0 Non-compliances	4	3	2

Technical Assurance of Metering (TAM) – SVA Main Sample

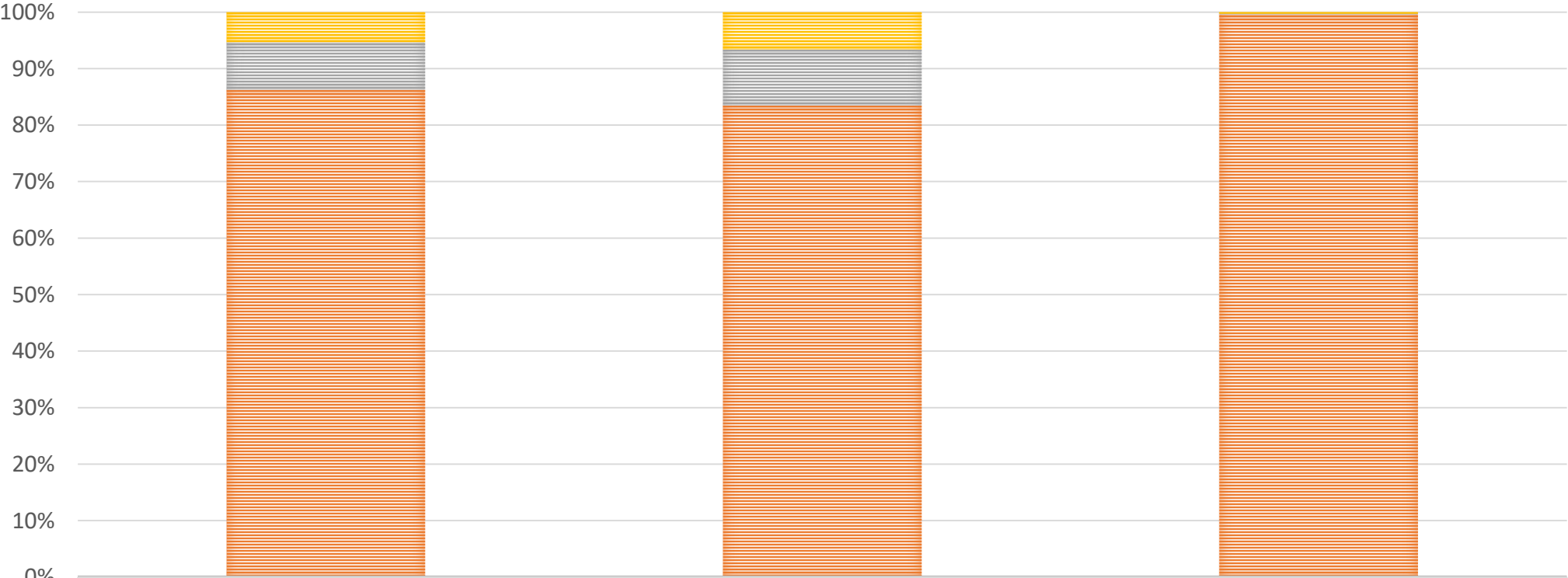
Resolution of Category A Non-Compliances



Resolved	4	35	0
Rectified Pending Confirmation	21	15	0
Non-Compliance Outstanding	172	148	7

Technical Assurance of Metering (TAM) – SVA Main Sample

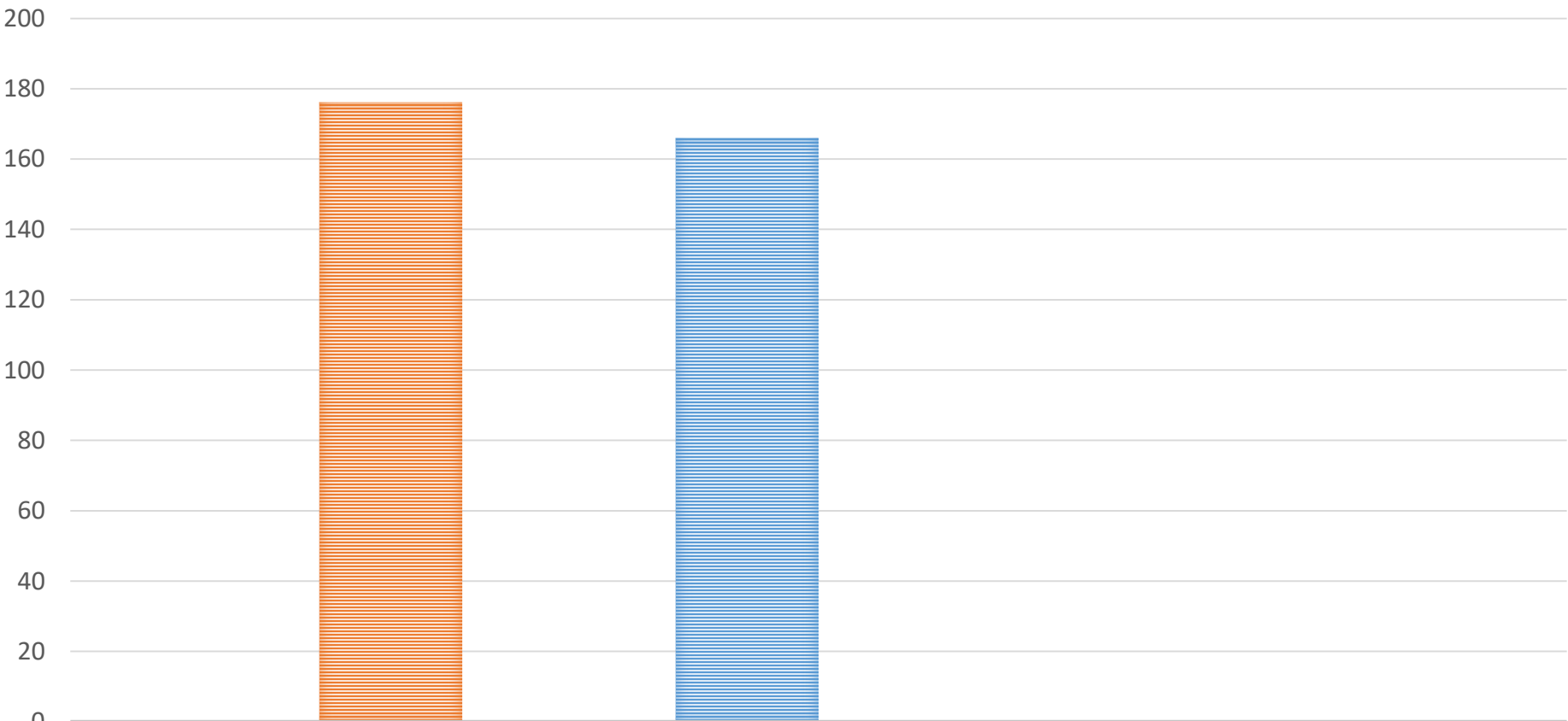
Resolution of Category B Non-Compliances



Resolved	533	476	2
Rectified Pending Confirmation	836	703	1
Non-Compliance Outstanding	8578	5940	743
Closed	0	4	1

Technical Assurance of Metering (TAM) – SVA Main Sample

Resolution Timescales



■ Mean Time to Resolve Cat A (Working Days)
■ Mean Time to Resolve Cat B (Working Days)

CVA NON-COMPLIANCES

CVA Main Sample, Specific Sample, and Targeted Inspections

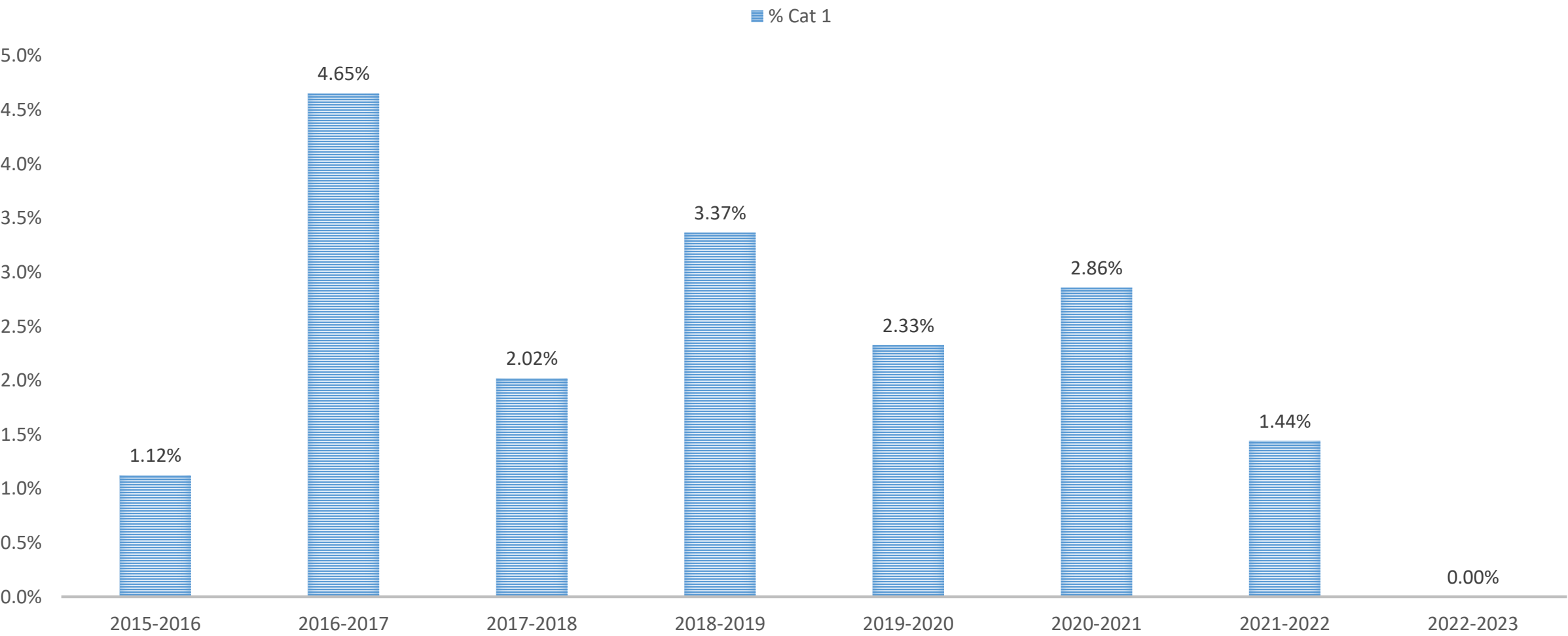
The following graphs show the percentage of CVA Main Sample, Specific Sample, and Targeted Inspection audits resulting in a Category 1 non-compliance (“deemed to be currently affecting the quality of data for Settlement purposes”) as well the average number of Category 2 non-compliances (“deemed to *potentially* affect the quality of data for Settlement purposes”) recorded per completed audit, year-on-year.

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Graphs have also been included to show the extent to which non-compliances in each audit year have been rectified.

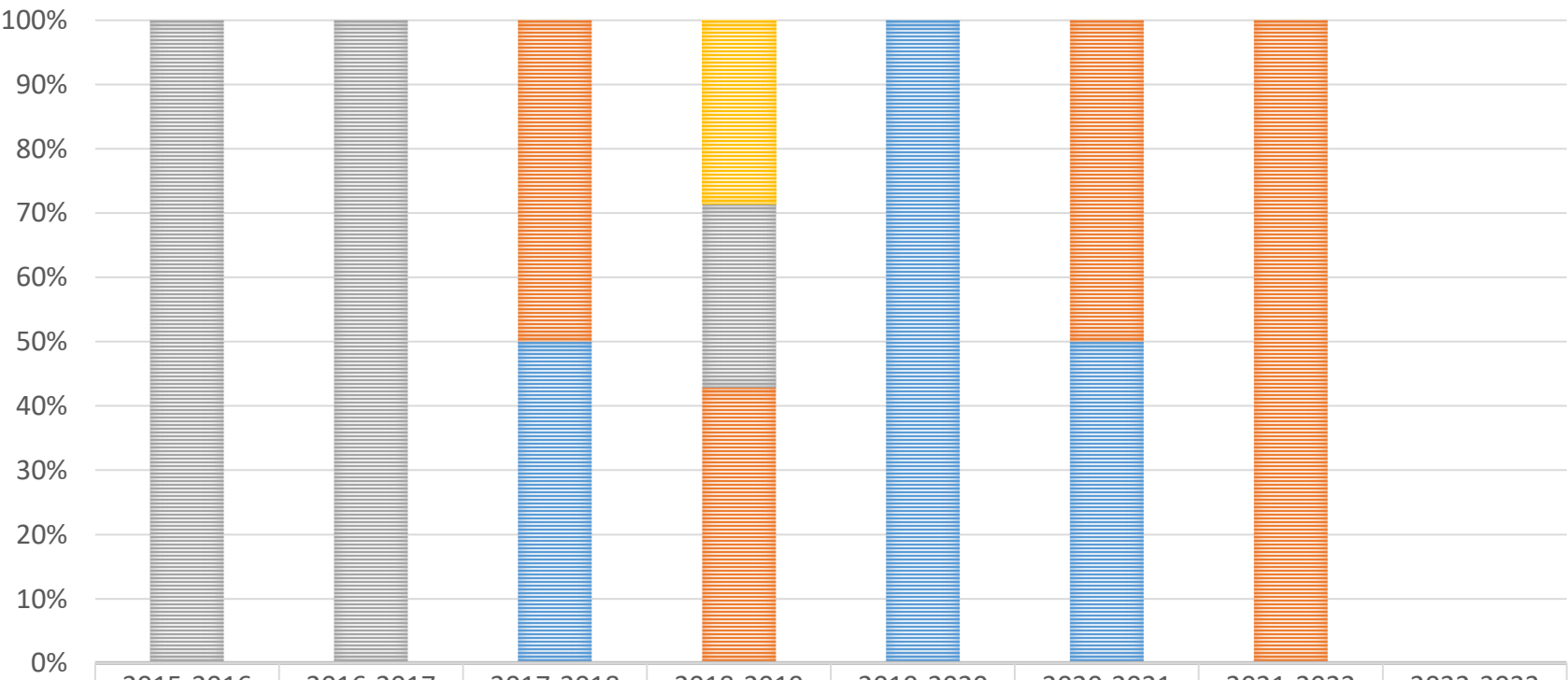
Technical Assurance of Metering (TAM) – CVA

% of Completed Audits Recording a Category 1 Non-Compliance



Technical Assurance of Metering (TAM) – CVA

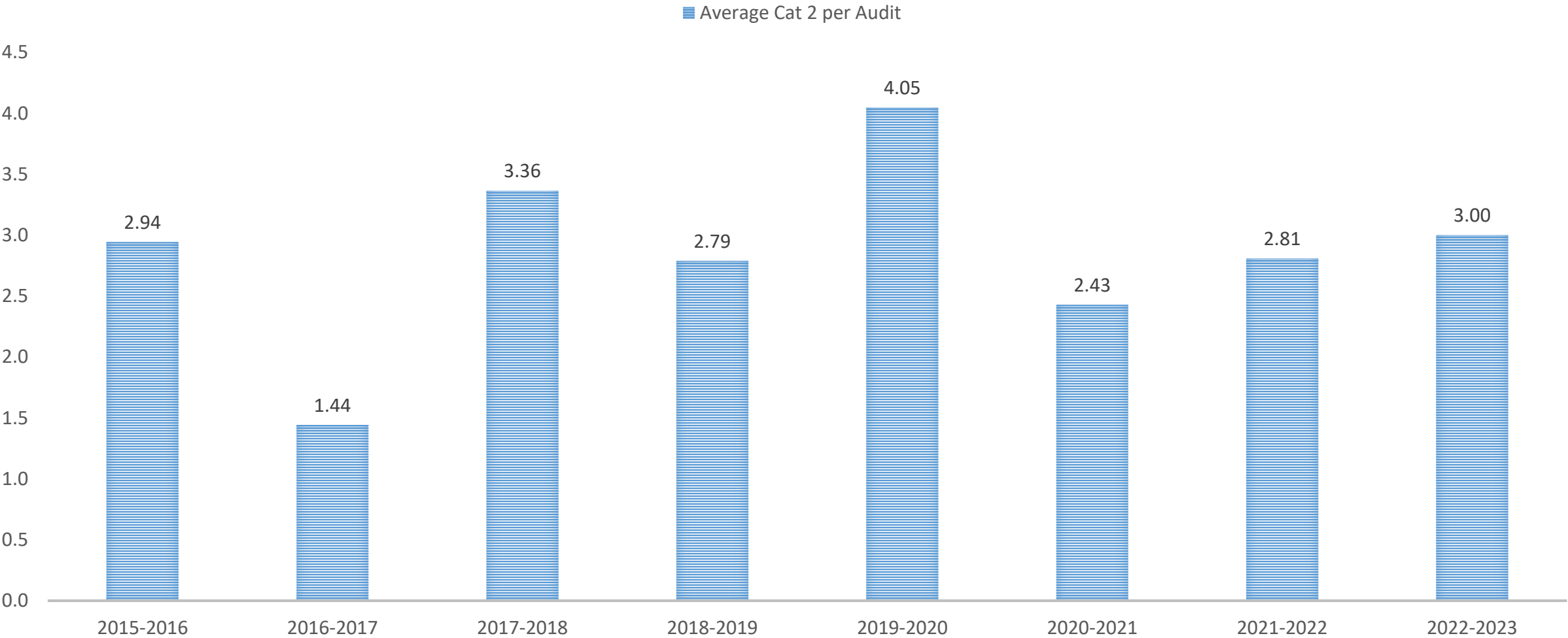
Breakdown of Category 1 Non-Compliances by Type



1.06 Other non-compliance not covered elsewhere	0	0	0	2	0	0	0	0
1.03 Timing Error (Major)	1	2	0	2	0	0	0	0
1.02 Metering Equipment Incorrect or Unsatisfactory	0	0	1	3	0	1	3	0
1.01 Inaccuracy of Standing Data (Key MTD fields) held by Data Collector	0	0	1	0	2	1	0	0

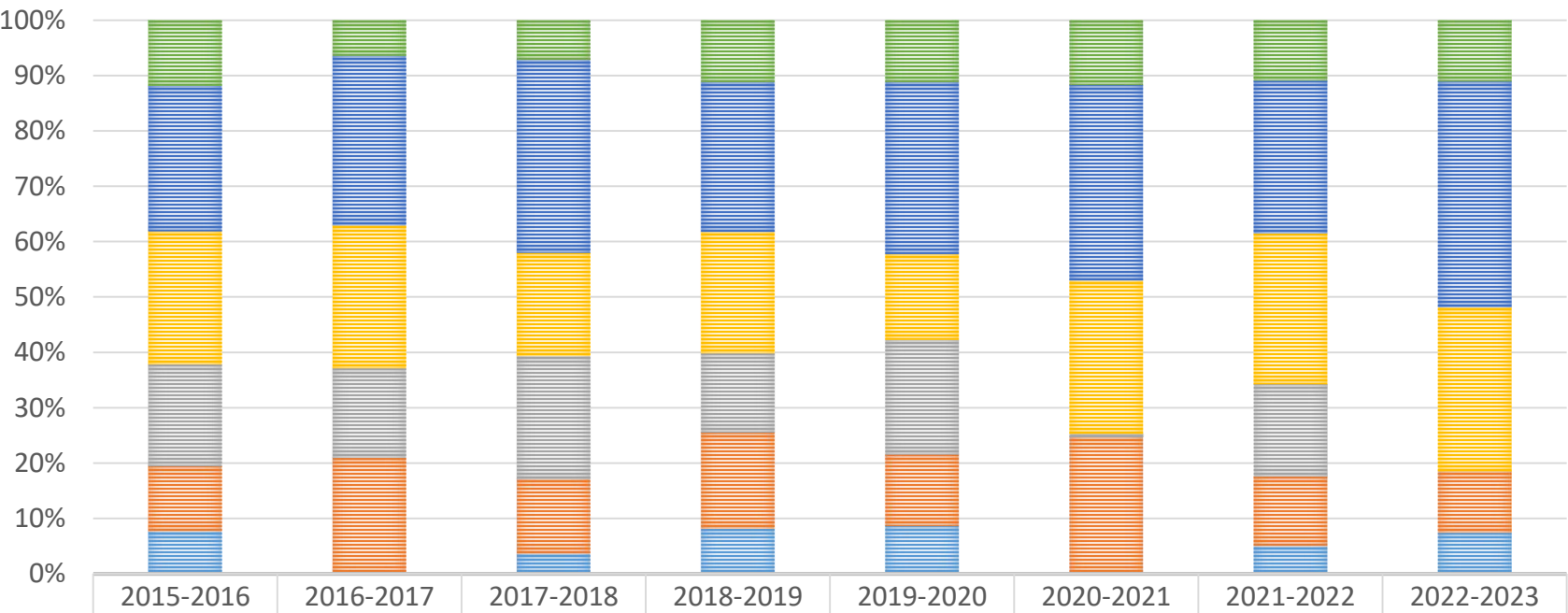
Technical Assurance of Metering (TAM) – CVA

Average Category 2 Non-Compliances Recorded per Completed Audit



Technical Assurance of Metering (TAM) – CVA

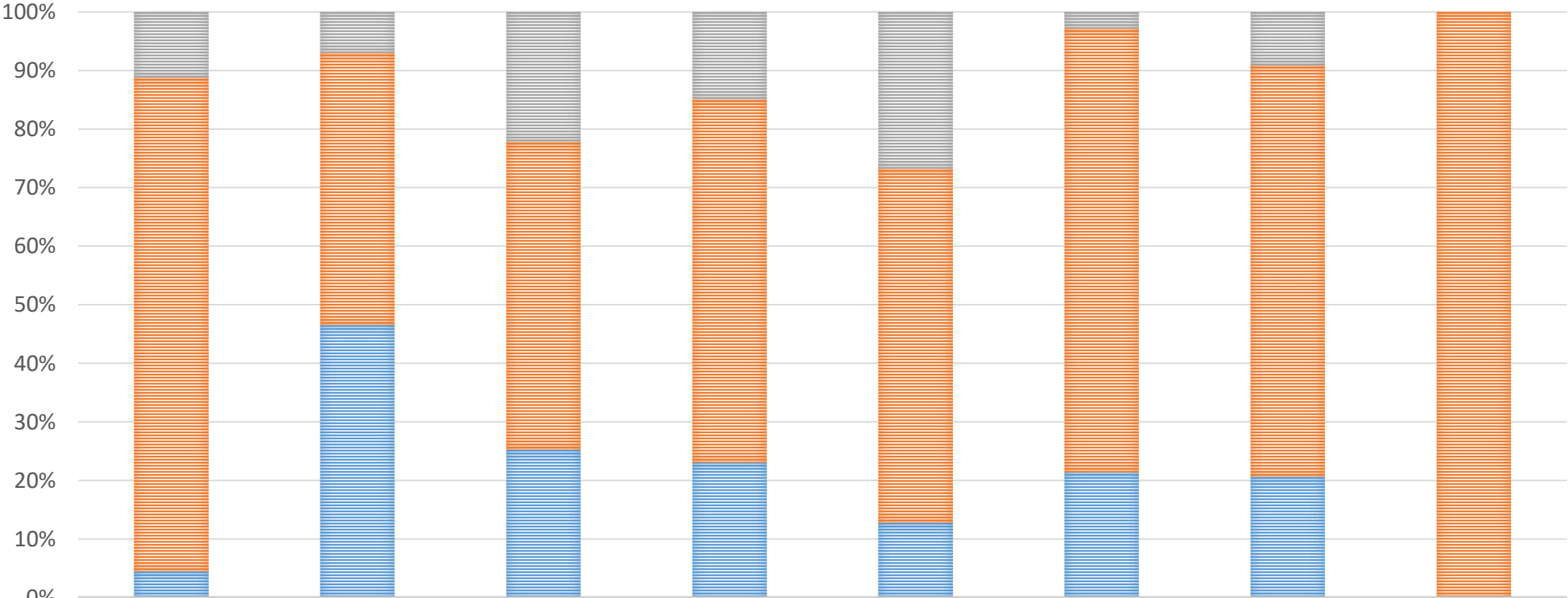
Breakdown of Category 2 Non-Compliances by Type



2.17 Meter Certificates not provided or incorrect	31	4	24	65	39	20	64	3
2.16 Measurement Transformer Certificates not provided or incorrect	69	19	116	157	108	60	161	11
2.15 Commissioning Records not provided or incorrect	63	16	62	127	54	47	159	8
2.13 Miscellaneous	48	10	74	83	72	1	97	0
2.06 - 2.11, 2.14 Metering Equipment and Installation	31	13	45	101	45	42	74	3
2.01 - 2.03 Standing Data	20	0	12	47	30	0	29	2

Technical Assurance of Metering (TAM) – CVA

Distribution of Non-compliances by Completed Audit

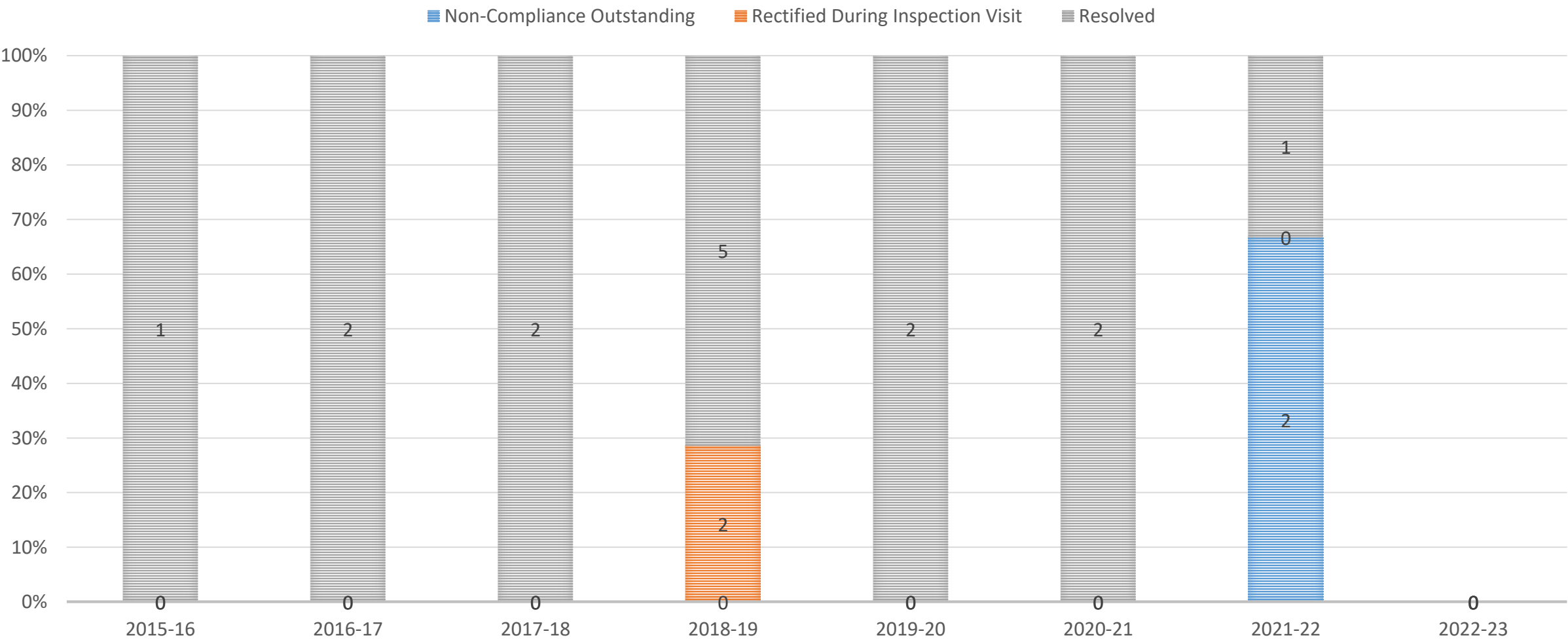


■ 6 or more Non Compliances
■ 1-5 Non Compliances
■ 0 Non Compliances

	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
6 or more Non Compliances	10	3	22	31	23	2	19	0
1-5 Non Compliances	75	20	52	129	52	53	146	9
0 Non Compliances	4	20	25	48	11	15	43	0

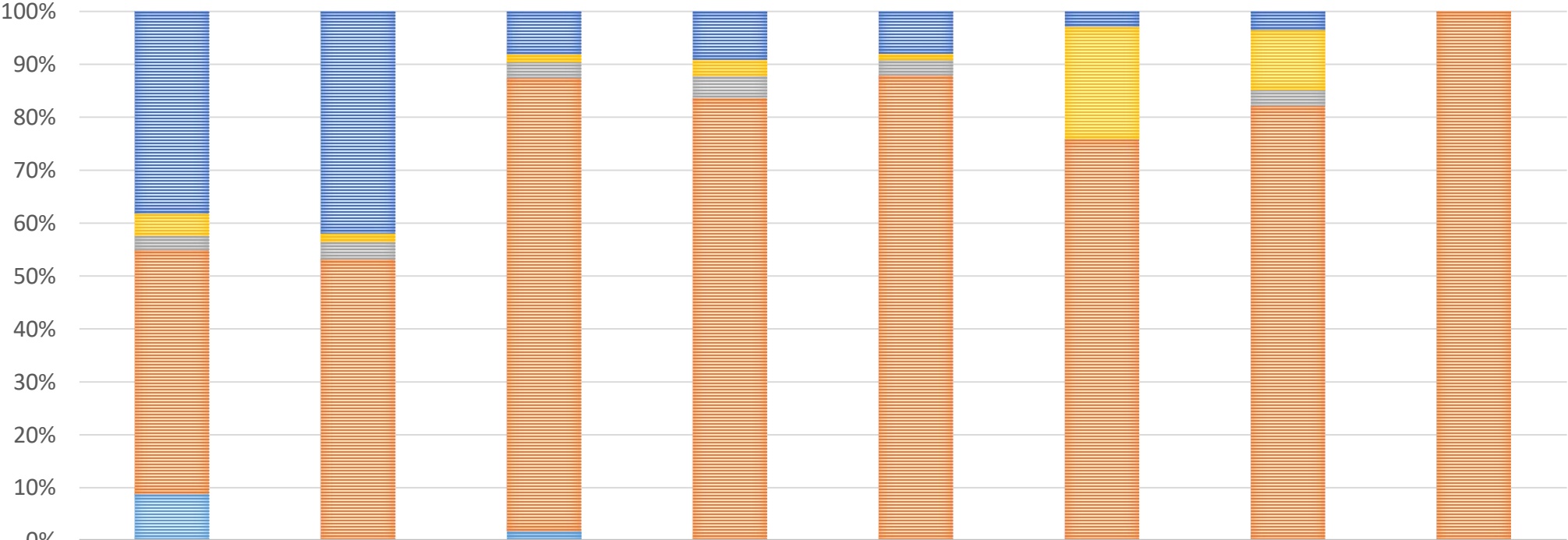
Technical Assurance of Metering (TAM) – CVA

Resolution of Category 1 Non-Compliances



Technical Assurance of Metering (TAM) – CVA

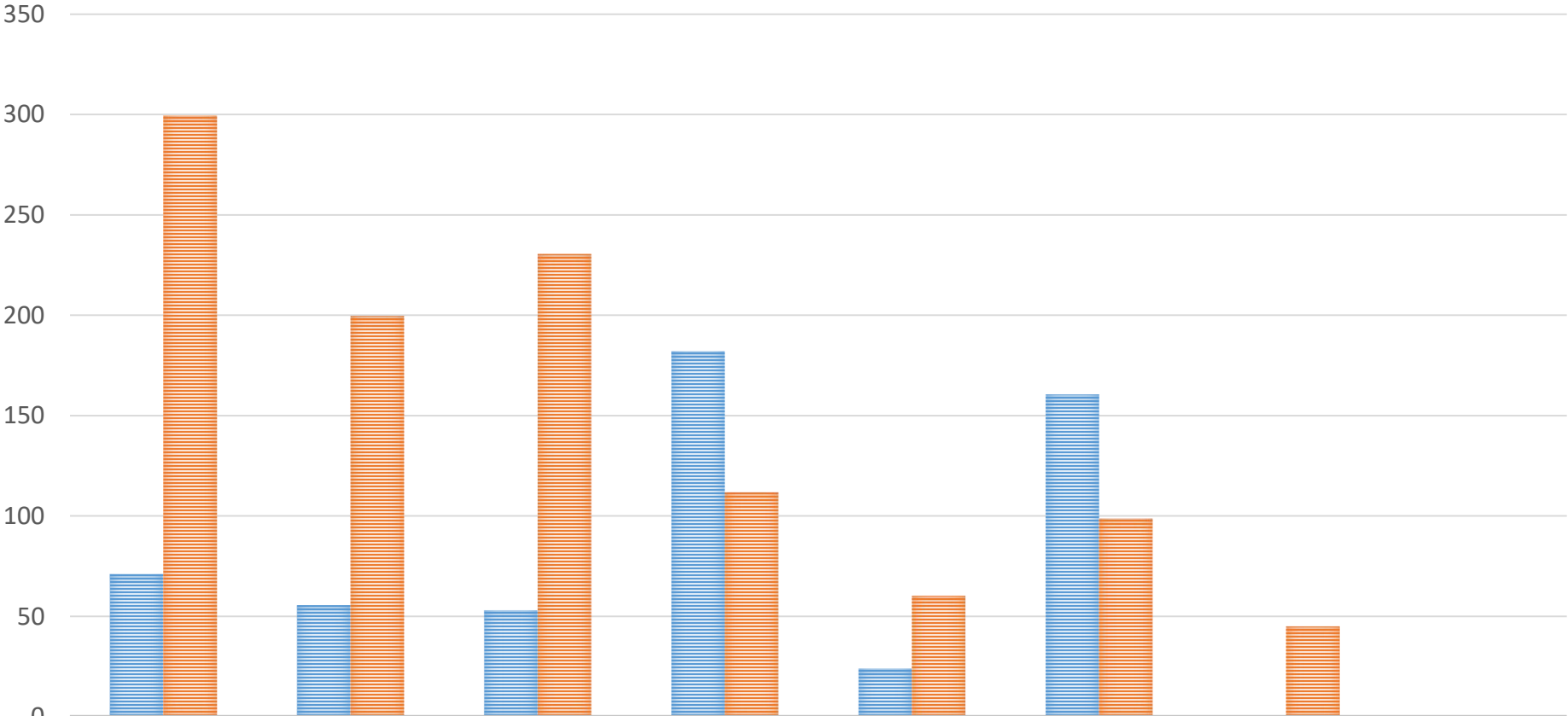
Resolution of Category 2 Non-Compliances



	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Resolved	100	26	27	53	28	5	21	0
Rectified Pending Confirmation	11	1	5	18	4	36	66	0
Rectified During Inspection Visit	7	2	10	24	10	0	17	0
Non-Compliance Outstanding	121	33	285	485	306	129	480	27
Closed	23	0	6	0	0	0	0	0

Technical Assurance of Metering (TAM) – CVA

Timescales for Resolution



■ Mean Time to Resolve Cat 1 (Working Days)

■ Mean Time to Resolve Cat 2 (Working Days)

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Mean Time to Resolve Cat 1 (Working Days)	71	56	53	182	24	161	0	0
Mean Time to Resolve Cat 2 (Working Days)	299	200	231	112	60	99	45	0