



**TRANSITION TOGETHER**



# **9100-SERIES INTERNATIONAL TRANSITION TRENDS**

**BUDDY CRESSIENNIE**

# Aviation, Space & Defense Expectations

- ✓ Product Safety Focus!
- ✓ Improved first pass quality - Right the first time...No Escapes!
- ✓ Products and services delivered on-time
- ✓ Repeatable process delivering value
- ✓ Low cost of quality and shared quality responsibility by all employees
- ✓ Less oversight by regulatory agencies as their confidence in our processes builds
- ✓ Cost savings as well as improved shop floor efficiency



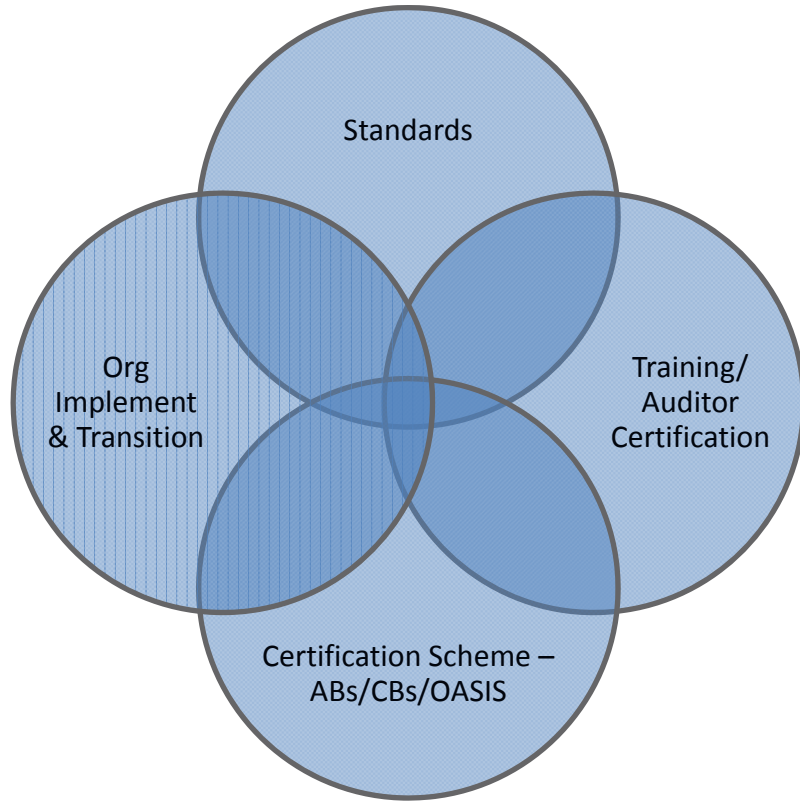
# 9100/9110/9120:2016 Transition Timeline Summary

Major Target Dates	Activities
<b>September 2015</b>	ISO 9001:2015 Standard published and a 36 Month Certified Client ISO transition begins
<b>October 2015</b>	IAQG General Assembly approval of ICOP 9100/9110/9120:2016 Transition Plan
<b>September 2016</b>	9100 standard published in Americas and Asia Pacific sectors
<b>October 2016</b>	9100, 9110, 9120 and 9101 standards published Europe 9101 standard published in the Americas Publication of Supplemental Rule (SR003)
<b>November 2016</b>	9101 and 9120 published in Asia-Pacific. 9110 and 9120 published in the Americas Mandated Aerospace Auditor “transition” training for 9100 available in agreed IAQG languages.
<b>December 2016</b>	OASIS Next Generation project phase 1 complete. Database available for entry of transition audit results.
<b>January 2017</b>	Mandated Aerospace Auditor “transition” training for the 9120 module available in agreed IAQG languages.
<b>February 2017</b>	Mandated Aerospace Auditor “transition” training for the 9110 module available in agreed IAQG languages.
<b>June 2017</b>	All future audits must be to the 9100/9110/9120:2016 standard using 9101:2016 audit process.
<b>September 2018</b>	Transition complete. All 9100/9110/9120:2009 certificates are no longer valid.



# Major Elements for Transition

- Standards – All Released
- Training – Complete
- Auditors (as of 10/3/2018)



	<u>ISO 9001:2008</u>	<u>ISO 9001:2015</u>
9100	1080	1316
9110	202	224
9120	354	367

More Auditors to ISO 9001:2015 than ISO 9001:2008

- Accreditation Bodies/  
Certification Bodies/OASIS -Complete



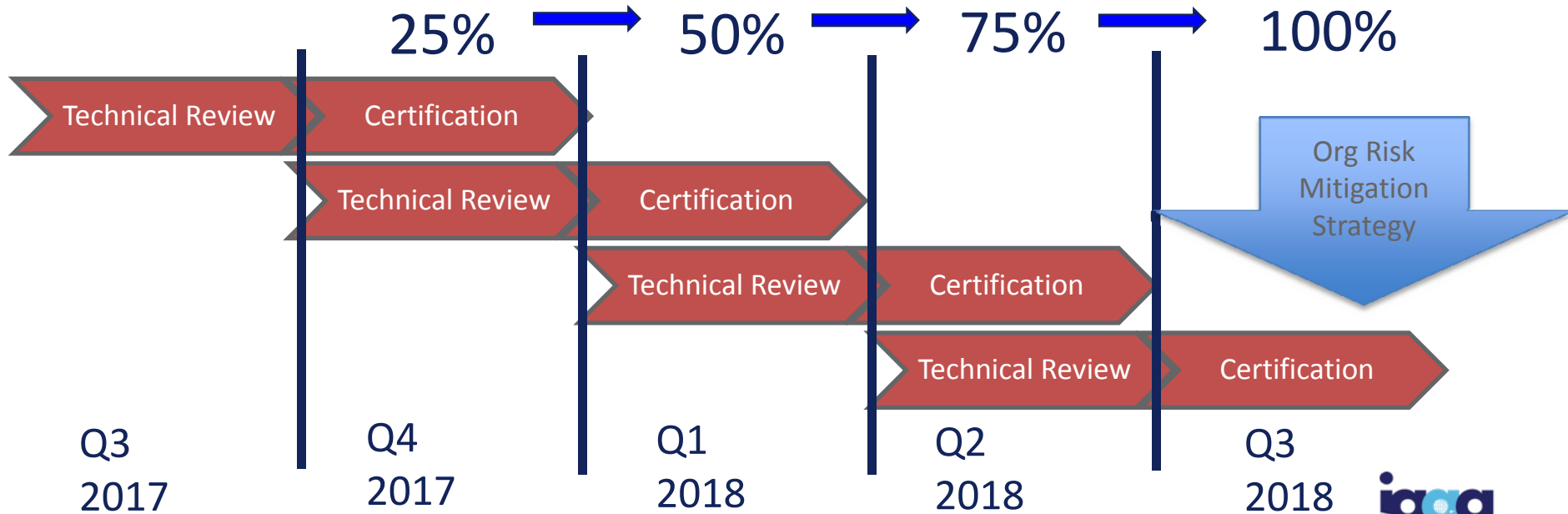
# Major Elements for Transition

Do we have adequate 9110 and 9120 auditors?

	<u>ISO 9001:2015- based Auditors</u>	<u>Certified Orgs</u>	<u>Orgs/Auditor</u>
9100	1316	17,433	13.2
9110	224	625	2.8
9120	367	1734	4.7



# Certified Supplier Transition Summary



# Monitor Transition – Supplier Transition

- Transition Data was taken from OASIS on **September 16, 2018**

Standard	Sector	2009 Certificated sites Withdrawn	2009 Certificated sites Expired	2009 Certificated sites	2016 Audits Not Planned (Pending scheduling)	2016 Audits Planned (Not conducted)	2016 Audits Completed (Pending Cert Issuance)	2016 Certificated sites	2016 Certificated sites Expired	2016 Certificated sites Withdrawn
9100	AAQG	428	395	19	145	131	138	11352	43	21
	APAQG	41	10	5	10	5	0	1275	5	6
	EAQG	227	408	146	189	122	244	7197	53	3
<b>9100 Total</b>		<b>696</b>	<b>813</b>	<b>170</b>	<b>344</b>	<b>258</b>	<b>382</b>	<b>19824</b>	<b>101</b>	<b>30</b>
9110	AAQG	22	17	9	14	5	4	354	2	3
	APAQG	0	0	0	0	0	0	0	0	0
	EAQG	12	17	8	7	6	12	355	1	0
<b>9110 Total</b>		<b>34</b>	<b>34</b>	<b>17</b>	<b>21</b>	<b>11</b>	<b>16</b>	<b>709</b>	<b>3</b>	<b>3</b>
9120	AAQG	50	43	5	15	19	14	1003	3	5
	APAQG	0	0	0	0	0	0	0	0	0
	EAQG	28	48	15	21	20	22	815	3	1
<b>9120 Total</b>		<b>78</b>	<b>91</b>	<b>20</b>	<b>36</b>	<b>39</b>	<b>36</b>	<b>1818</b>	<b>6</b>	<b>6</b>
<b>Grand Total</b>		<b>808</b>	<b>938</b>	<b>207</b>	<b>401</b>	<b>308</b>	<b>434</b>	<b>22351</b>	<b>110</b>	<b>39</b>
<b>% of All Certifications</b>				<b>0.9%</b>				<b>99.1%</b>		

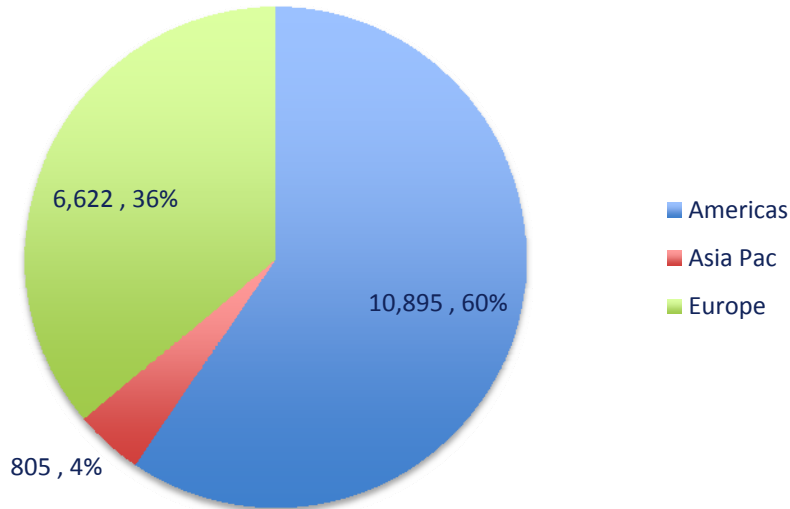
Date	Transition Progress
9/16	99.1%
9/7	89.7%

Date	Transition Progress
8/31	87.4%
7/31	77.9%



# 9100:2016-Series Data Summary

The nonconformity data was drawn from **18,292 audits** conducted against the 9100:2016 series requirements as of **10 October 2018**





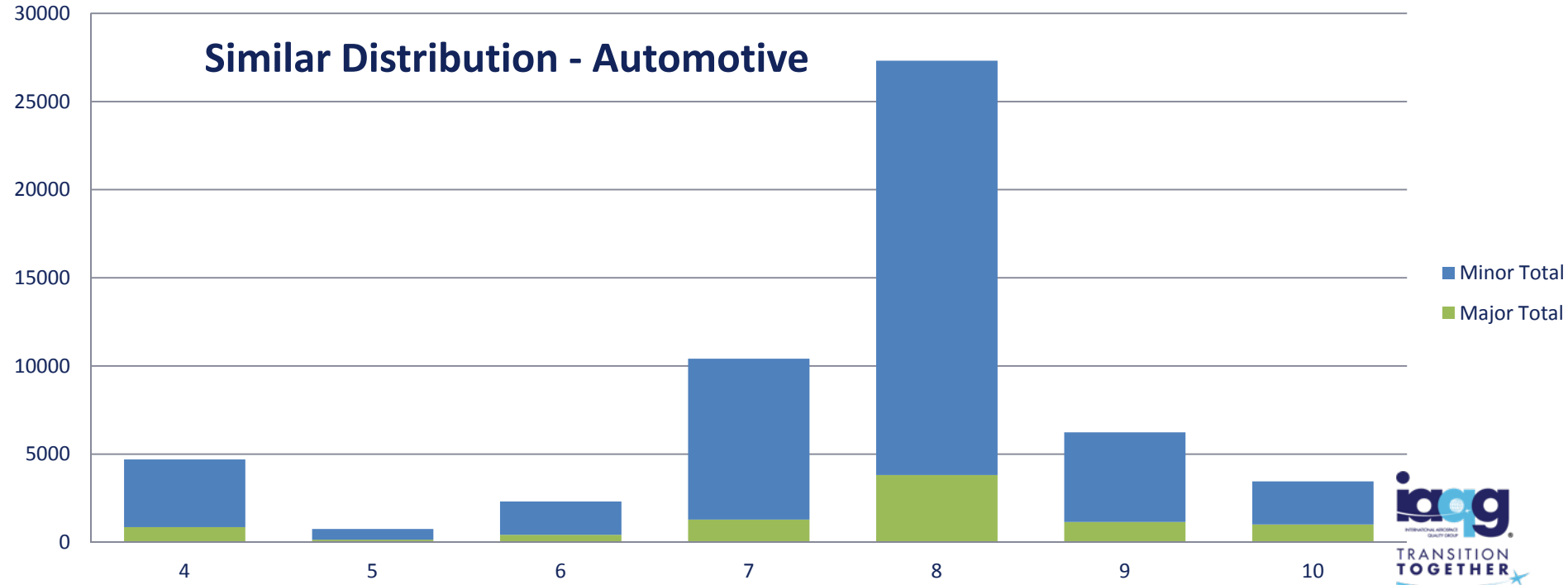
# 9100:2016-Series Data Summary

- From those **18,292 audits** a total of **55,194** nonconformities (NCR's) were raised or **3 NCRs/Audit**
  - **Major NCRs: 8692 (16%)** or **0.5 NCRs/Audit**
  - **Minor NCRs: 46,502 (84%)** or **2.5 NCRs/Audit**

# 9100:2016-Series Data Summary

## 9100:2016-Series Transition NCRs

Similar Distribution - Automotive



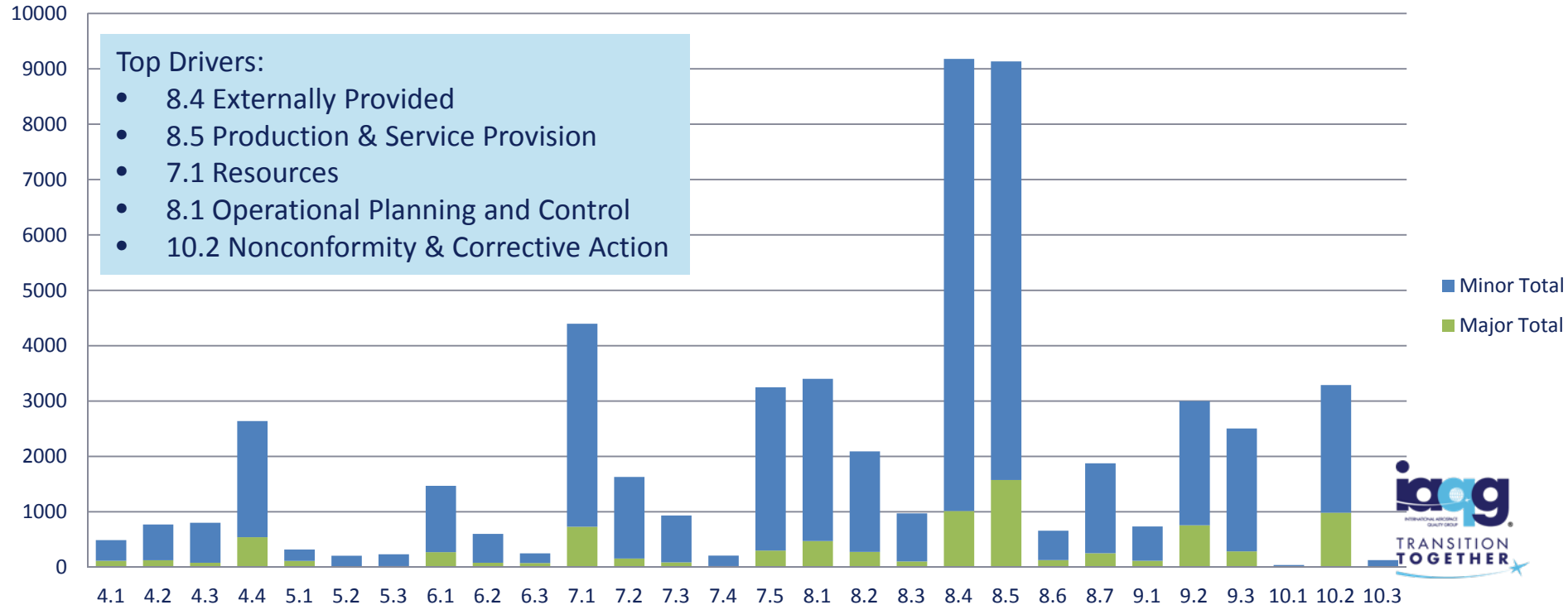
# 9100:2016-Series Data Summary

<u>Clause</u>	<u>IAQG Ratio</u> <u>Majors to Total</u>
Context of Org	18.3%
Leadership	19.1%
Planning	18.3%
Support	12.4%
Operations	14.0%
Performance Evaluation	18.5%
<u>Improvement</u>	<u>29.1%</u>
Overall	16.0%



# 9100:2016-Series Data Summary

## 9100:2016-Series Transition NCRs



# 9100:2016-Series Data Summary

## Top Clauses

- 8.4 – Externally Provided Processes, Products, & Services



- 8.5 – Production & Service Provision



- 7.1 – Resources



- 8.1 – Operational Planning & Control



- 10.2 Nonconformity & Corrective Action



## Driver

- 8.4.3 – Information for External Provider

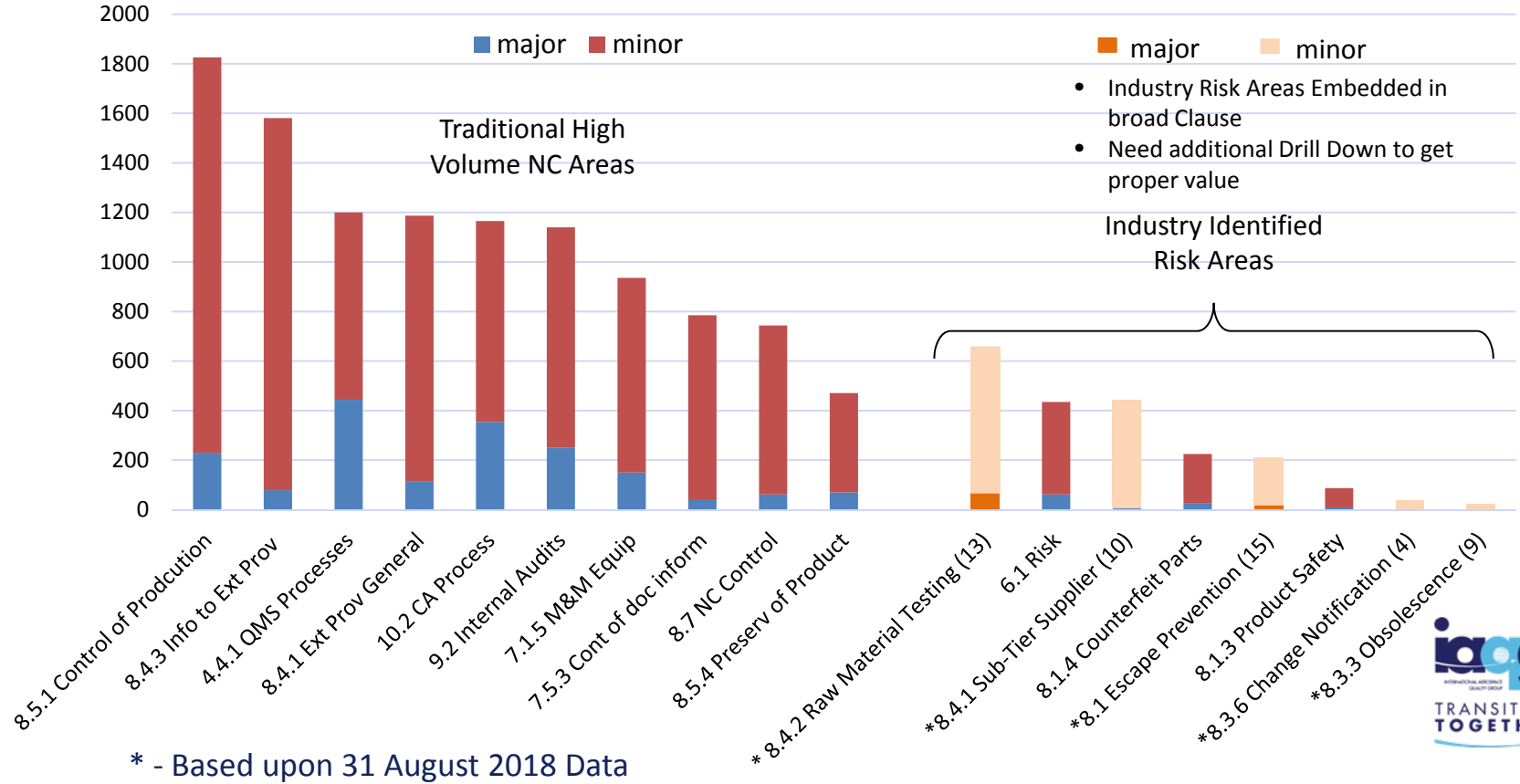
- 8.5.1 – Control of Production & Service Provision

- 7.1.5.2 – Measurement Traceability

- 8.1.1 – Operational Risk Management

- 10.2.1 - Nonconformity & Corrective Action

# 9100:2016-Series Data Summary\*



# 9100:2016-Series Data Summary

## So What is the Transition Data Telling Us?

- Overall, AS&D organizations and CBs excellent job transitioning to plan
- Traditionally high NCR areas are driving nonconformities
- Maybe industry identified risk areas are not a big problem?
- Organizations prepared and are not struggling with new requirements
- Auditors need to ensure they are evaluating the effectiveness of the new requirements



# Questions





