



-MyOFDM-

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Director of Flight Standard & Chief Pilot Ryanair

SAFE Conference 15th May 2019



The operation

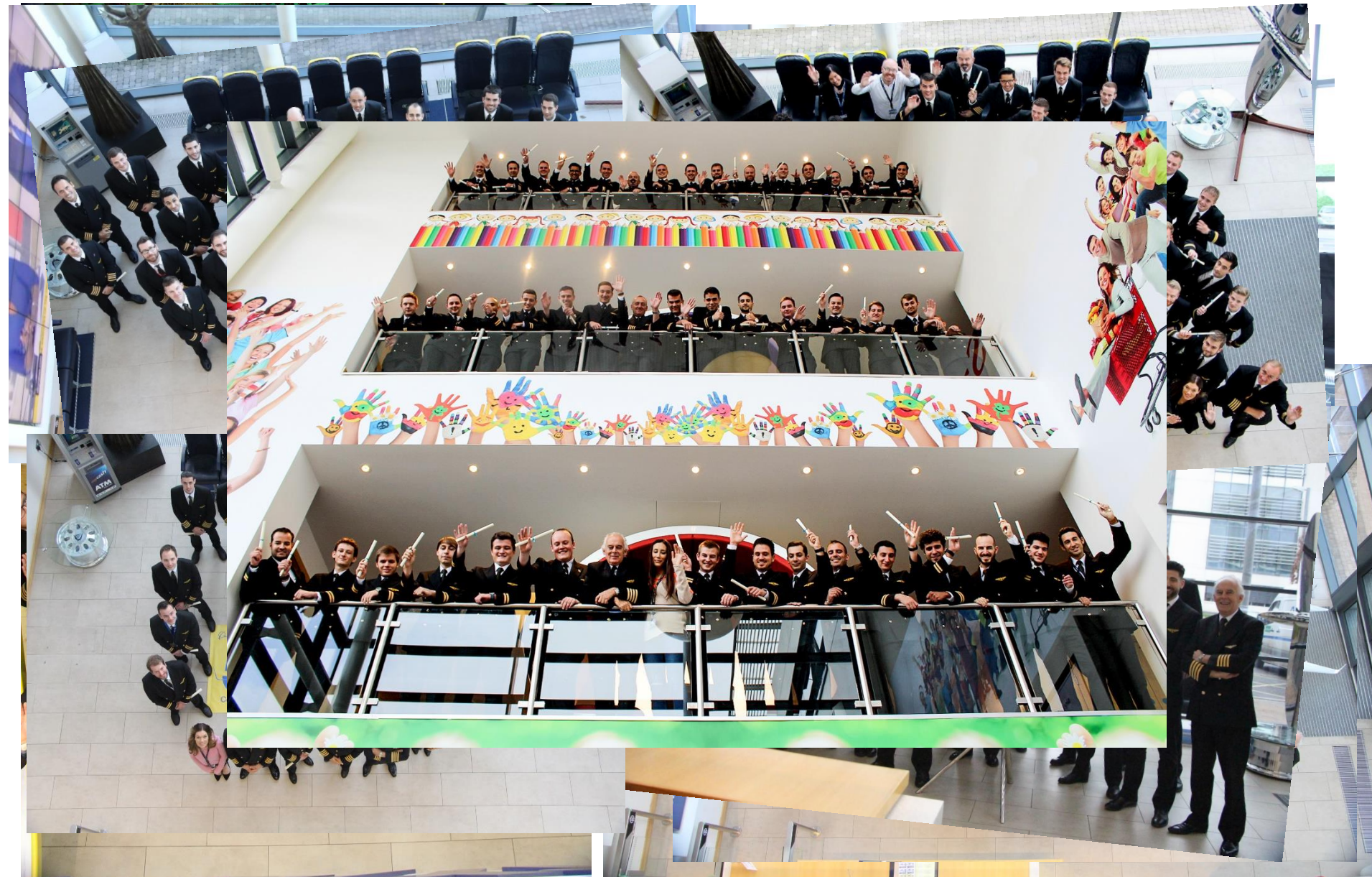
- ➔ 86 bases
- ➔ 223 airports
- ➔ 37 states
- ➔ 1,800 routes
- ➔ 455 x B737 800 NG fleet
- ➔ 210 x B737- 8200 on order
- ➔ 5,000 pilots



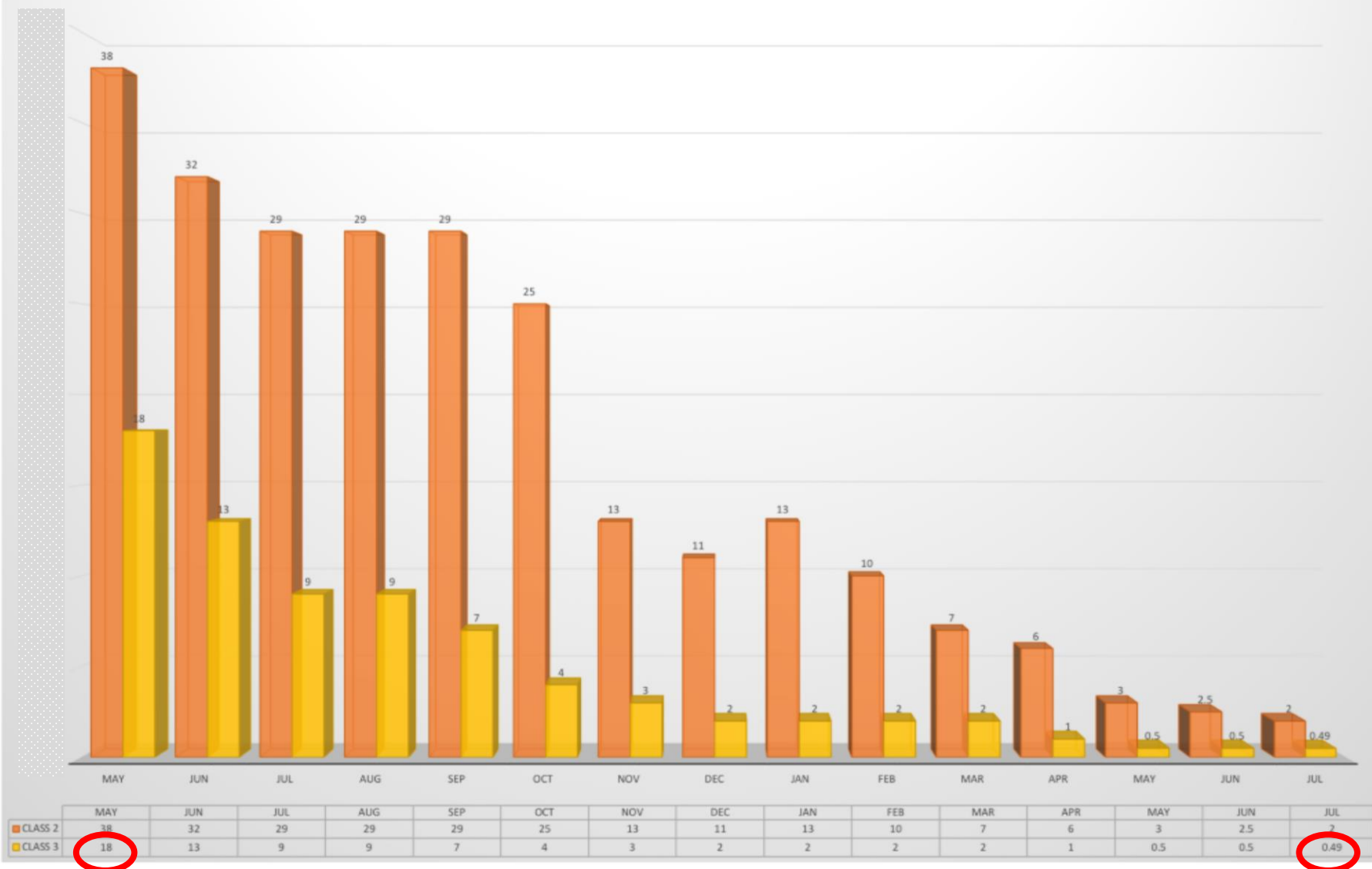


2100 Flights per day



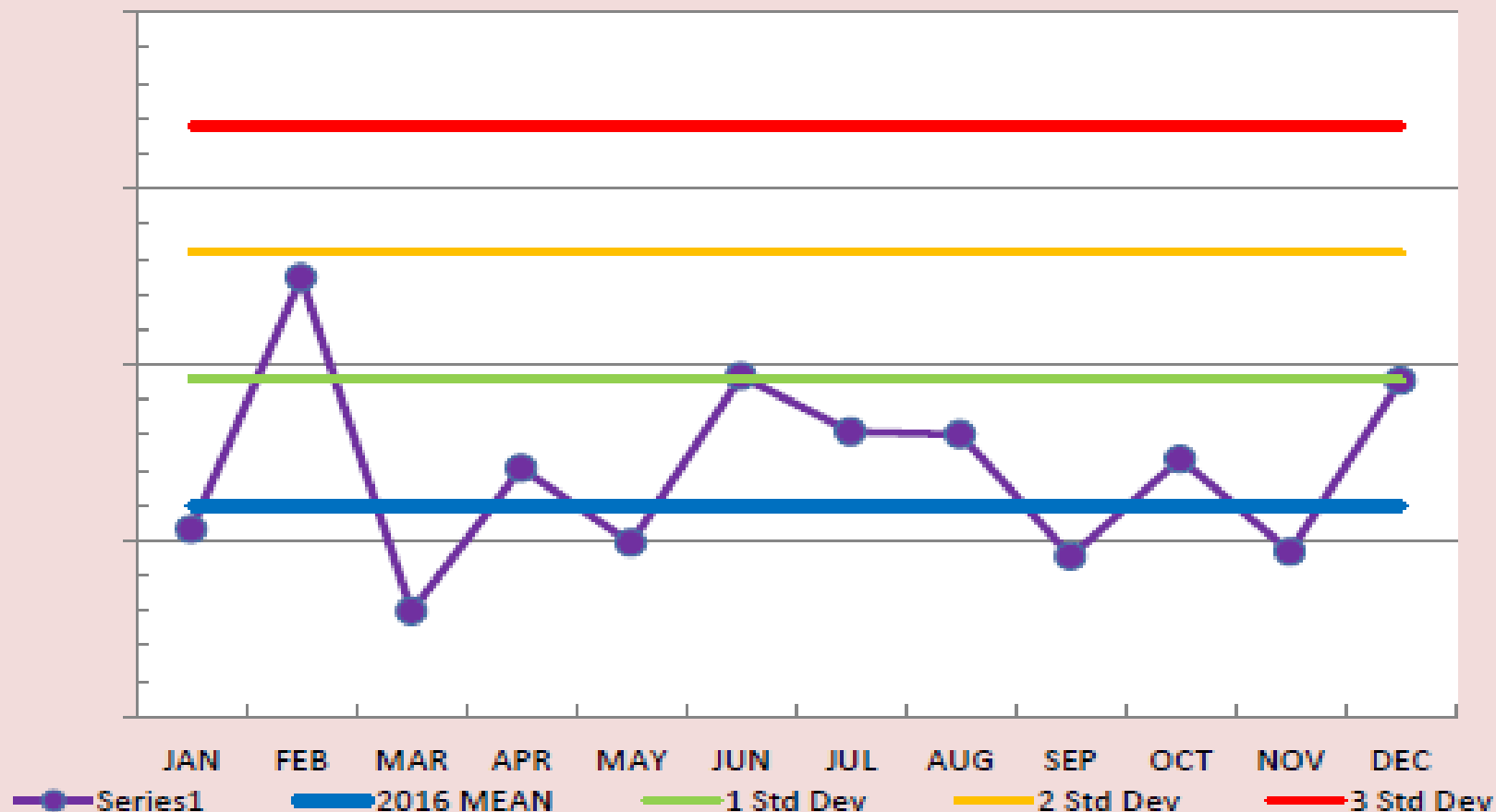


CLASS II & CLASS III TRENDS 2004-2005



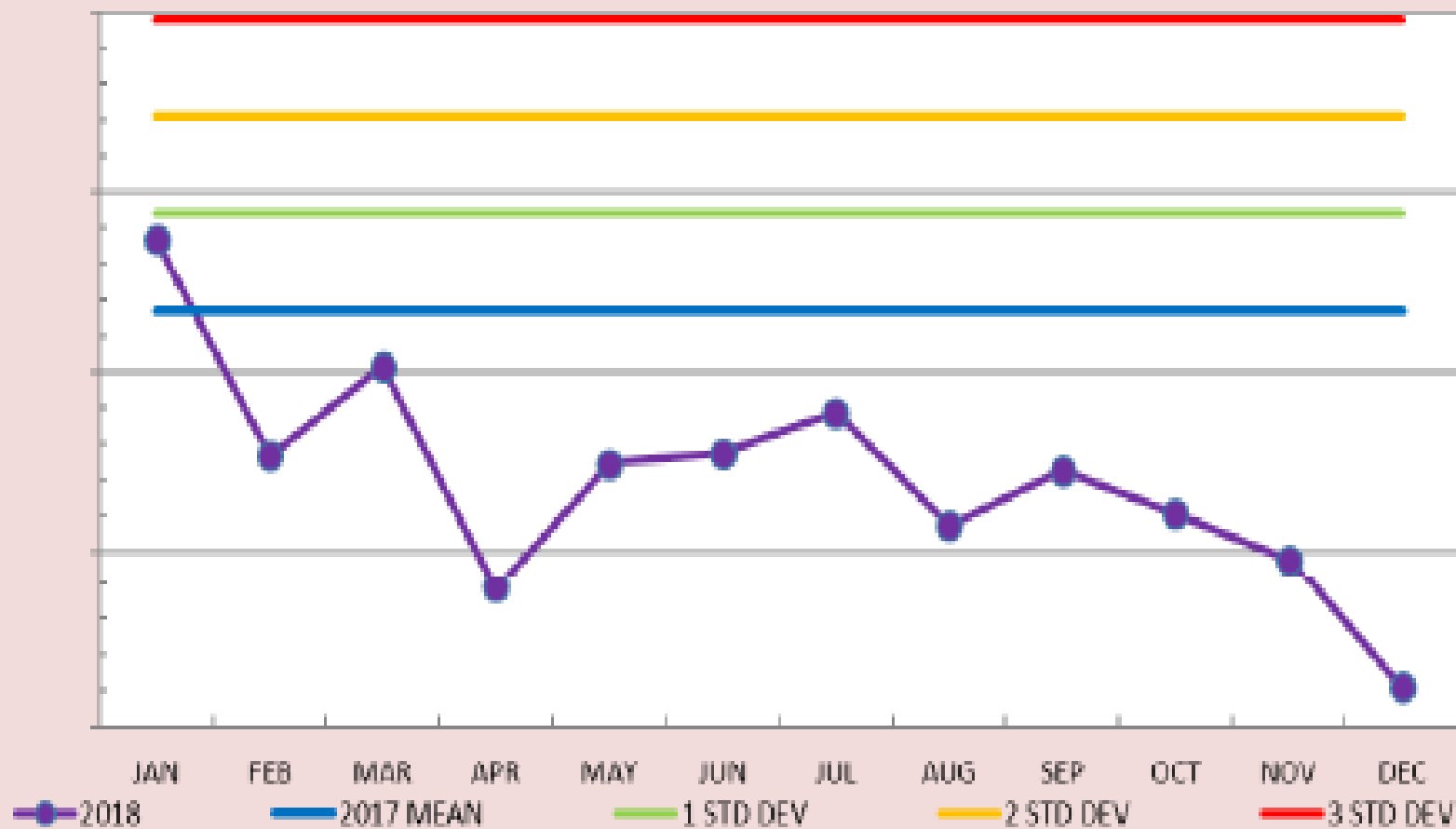


2017 Class 3 Events

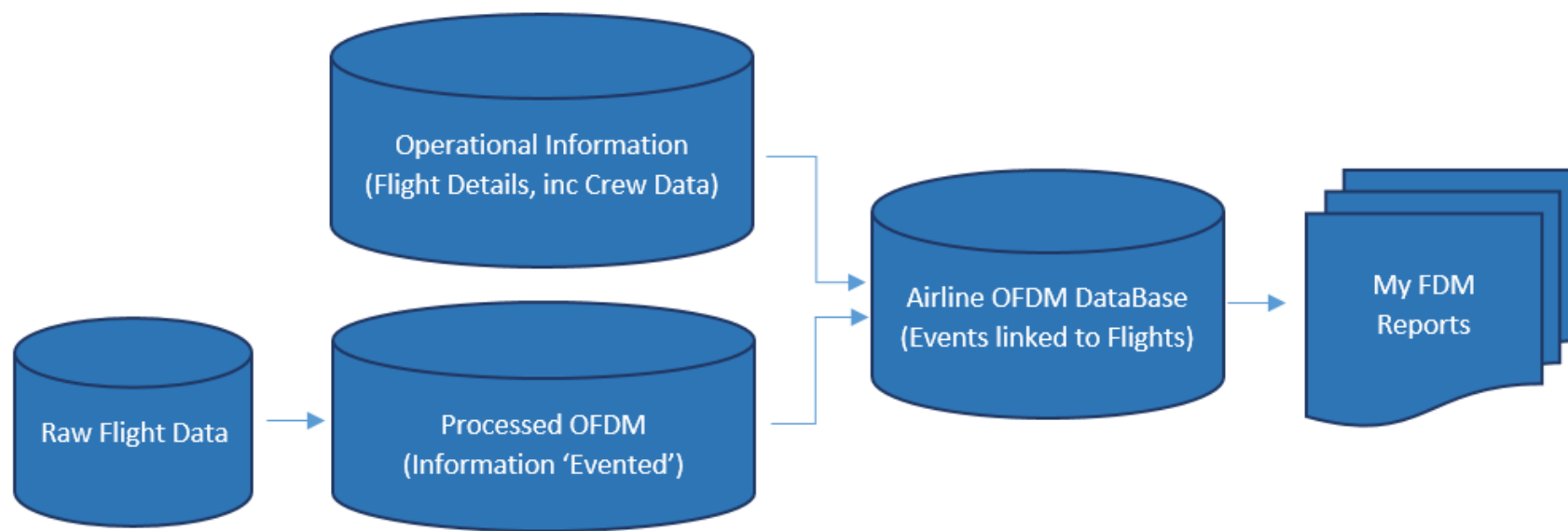




2018 Class 3 Events



- ✈ Provides Captains with monthly OFDM summary
- ✈ Deidentified and e-mailed to iPads
- ✈ Sectors flown , Class 2 & 3 and all AFM exceedance
- ✈ OFDM performance rating



Network Number of approaches: 70837

My number of approaches: 17

Number of Events: 1

▲ Jun Event Trend

1. High Speed below FL060 >250kts

No. of events: 0

This month

0

Last month

0

Year to date

0

6. ROD > 2000/min 2000'-1000' AGL

No. of events: 0

This month

0

Last month

0

Year to date

0

11. Speedbrake with Flap >10

No. of events: 0

This month

0

Last month

0

Year to date

0

2. Approach speed >Vref+20 500'-50'

No. of events: 0

This month

0

Last month

0

Year to date

0

7. Descent Rate High 1000'-500'

No. of events: 0

This month

0

Last month

0

Year to date

0

12. Speedbrake with Land Flap

No. of events: 0

This month

0

Last month

0

Year to date

0

3. Approach speed High below 50'

No. of events: 0

This month

0

Last month

0

Year to date

0

8. Descent Rate High below 500'

No. of events: 0

This month

0

Last month

0

Year to date

0

13. 500' Gate Bust - Flap not in landing position

No. of events: 0

This month

0

Last month

0

Year to date

0

4. Approach speed Low below 1000'

No. of events: 0

This month

0

Last month

0

Year to date

0

9. G/S Deviation Low 500-200'

No. of events: 0

This month

0

Last month

0

Year to date

0

14. 500' Gate Bust - ROD

No. of events: 0

This month

0

Last month

0

Year to date

0

5. Gear not down by 3.5D

No. of events: 0

This month

0

Last month

0

Year to date

0

10. G/S Deviation High 500-200'

No. of events: 1

This month

1

Last month

0

Year to date

1

15. 500' Gate Bust - Speed

No. of events: 0

This month

0

Last month

0

Year to date

0

Network Number of approaches: 70837

My number of approaches: 17

Number of Events: 0

▼ Jun Event Trend

16. Vmo Exceedance

No. of events: 0

This month

Last month

Year to date

0

0

0

19. Flap Exceedance

No. of events: 1

This month

Last month

Year to date

0

0

0

22. Max Operating Altitude FL410 exceeded

No. of events: 0

This month

Last month

Year to date

0

0

0

17. Mmo Exceedance

No. of events: 0

This month

Last month

Year to date

0

0

0

20. Gear Exceedance

No. of events: 0

This month

Last month

Year to date

0

0

0

23. Flap selected above FL190

No. of events: 0

This month

Last month

Year to date

0

0

0

18. Hard Landing >2.1g

No. of events: 0

This month

Last month

Year to date

0

0

0

21. Overweight Landing >65,317kgs

No. of events: 1

This month

Last month

Year to date

0

0

0

24. Tyre speed >185kts

No. of events: 0

This month

Last month

Year to date

0

0

0

Approach Rating

99.61%

This Month

99.97%

Year to Date

Overall Rating

99.75%

This Month


99.95%

Year to Date

- Corporate safety strategy – reduction in OFDM events
- Highlighted a 'gap' where we could further enhance our OFDM programme
- Target the 'non-aware' events
- Allow crews to 'self debrief' and appraise their own operation
- Drive a reduction in detected events / improvement in safety performance





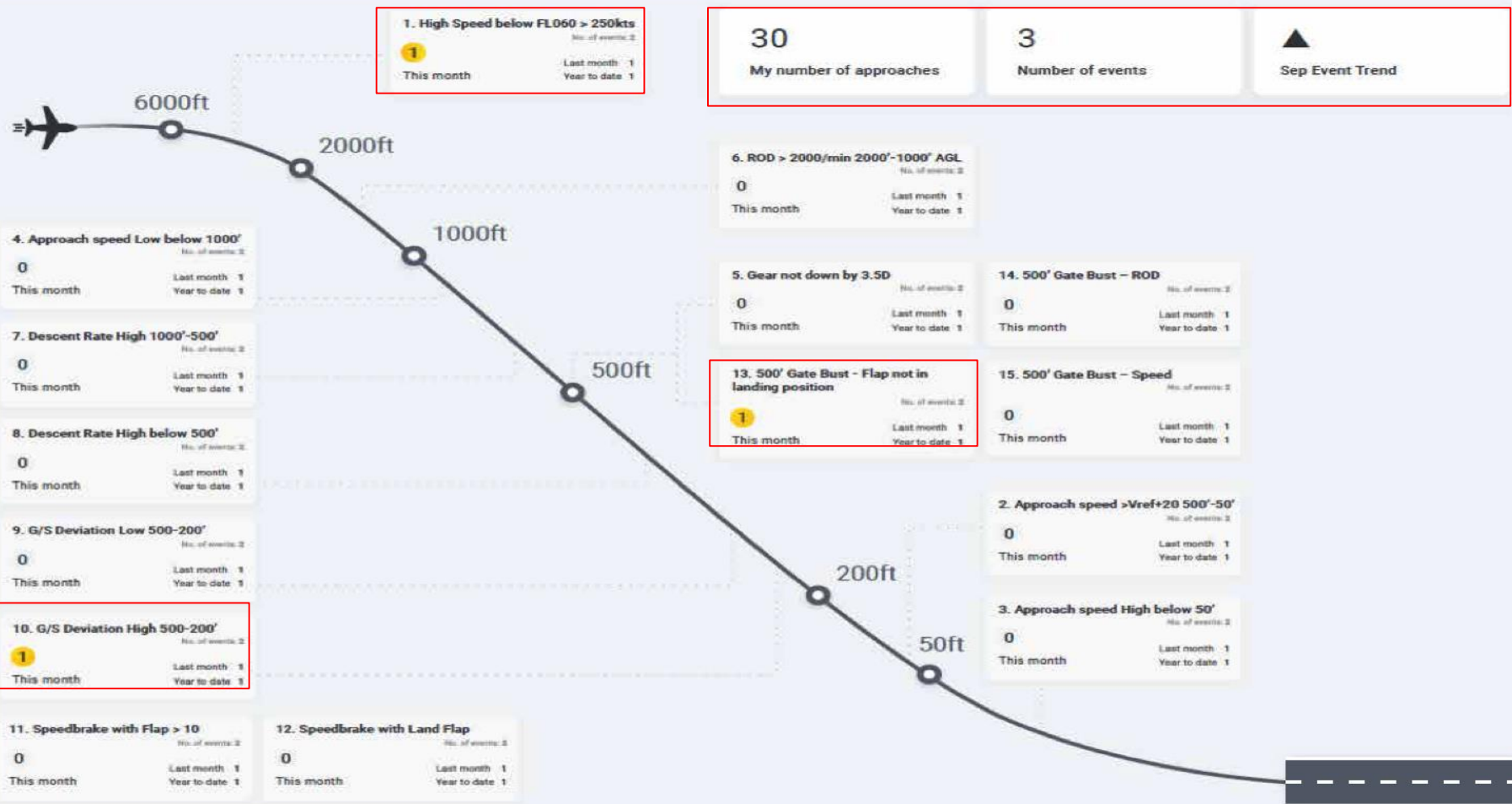
EVENT	Q4 17	Q4 18	SECTORS: 180,670
<div>1</div> <div>ROD HIGH</div> <div></div>			-55%
<div>2</div> <div>G/S DEVIATION</div> <div></div>			-53%
<div>3</div> <div>ROD HIGH</div> <div></div>			-46%



LOWEST EVER CLASS 3 MONTH

DECEMBER '18

0.22%



This data is prepared under the Ryanair OFDM confidentiality protocols and is not for onward transmission or public consumption. Any event that is deemed as safety critical will be followed up by FOQA Ltd. in accordance with established protocols.

Privileged and Confidential

JUNE 2019



2500

+



2500

Flight replay on company iPads shortly after landing:



- Enhanced de-brief capability
- Enhance pilot training efficiency
- Harmonize pilot's skill levels
RJR-OCC-TTR, different
airlines, different SOPs
- Reduce time and costs spent in
line training while improving
flight safety



- ➔ FY2019 +750 cadets
- ➔ FY 2019 +250 Direct Entry

300 pilot trial

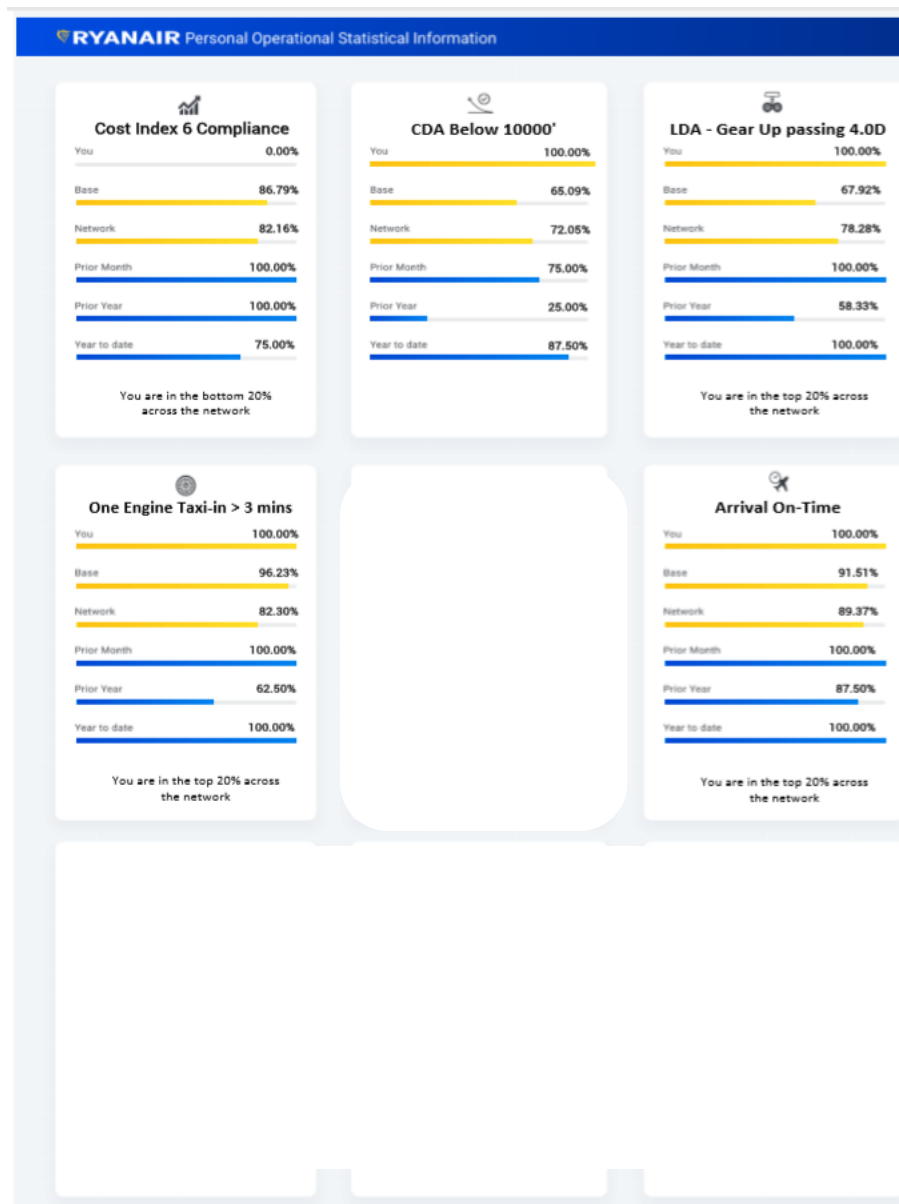
- ➔ Safety Pilot Release ✓
- ➔ Sectors to Line Check ✓
- ➔ Core Competency SIM ✓
- ➔ Reduced OFDM ✓



Potential for full Ryanair pilot group fleet roll out in 2020



- Efficiency feedback
- Monthly report
- Application of SOP
- Flight plan accuracy
- Operational best practice



Investment in Data Analytics and promulgation to end users
demonstrably delivers on continuous improvements in
Safety and Operational standards



Let IT flow



Questions...