



Information Technology  
& Data Analytics

# DevSecOps & Automation – EP&S

Monthly Report Out - August 2023

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# VISION



**Implement Lean practices through DSO maturity coverage and IT Automation.**



**Increased operating speed and flexibility, release-on-demand, and first-time quality of secure-by-design applications.**



**Reduced hours and improved efficiency through automation**



# 2023 DEVSECOPS PROGRESS

# DEVSECOPS 2023



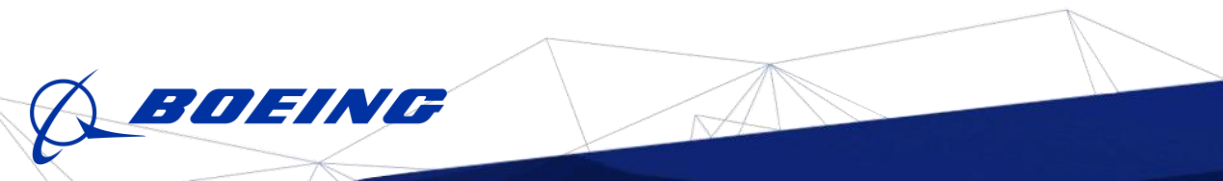
## OKR

- Implement Lean practices through DSO maturity coverage for **70% of High ROI products**



## Target

- Complete DSO Assessments for new applications **120 Apps**  
*[Overall – 280 apps (~30%) ]*
- Re-Assessments - **40 apps**
- Implementation roadmap for 40% Applications - **120 apps**  
*[Overall – 200 (~20%) ]*
- Improved overall maturity to **3.0** from **2.8**. Focus on High ROI and business critical Applications.
- ROI Calculation - **50 Apps**

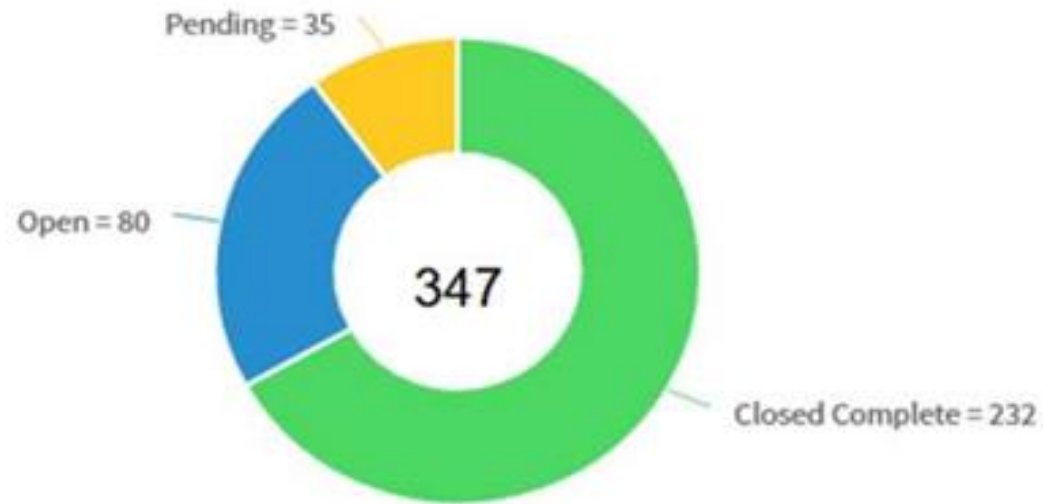


# PROGRESS

- On Track
- Watch Item
- Off Track

2023 OKR Targets	Q1		Q2		Q3	
	Target	Completed	Target	Completed	Target	Completed
Complete DSO Assessments for new applications <b>120 Apps</b>	<div></div> 30	34	<div></div> 30	25 + 60 AMaaS	<div></div> 30	4
Implementation roadmap for Applications that have completed assessments- <b>90 Apps</b>	<div></div> 30	28	<div></div> 30	21 + 57 AMaaS	<div></div> 30	2
Roadmap implementation , Re-Assessment & ROI calculation for 15% Apps with roadmap created: - <b>40 apps</b>	<div></div> 10 *DSO Improvements pending	0	<div></div> 10 *40 app reassessment in pipeline	4	<div></div> 10 *29 app reassessment in pipeline	12
Maturity improvement and maintain Score <b>3.0+</b>	<div></div> Maturity Score 3		<div></div> Maturity Score 3		<div></div> Maturity Score 3.0 (Non-AMaaS) Overall Score with AMaaS 2.82	

# OVERALL ASSESSMENT PROGRESS



**Open (Blue):** Assessment has been sent to the Application Manager but has not been completed.

**Pending (Yellow):** Assessment has been sent to the Application Manager and has been completed without a roadmap..

**Closed Complete (Green):** Assessment has been sent to the Application Manager and has been completed and the roadmap added.

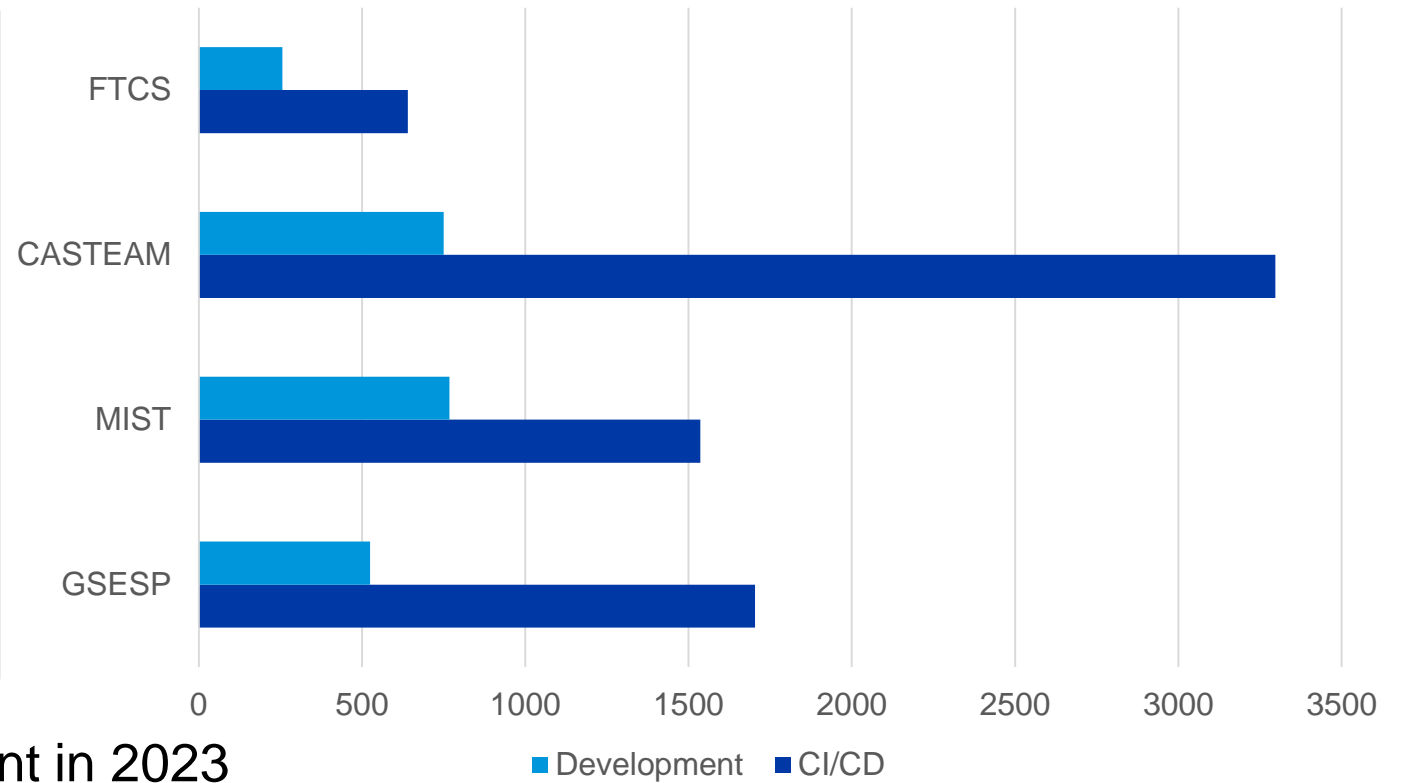
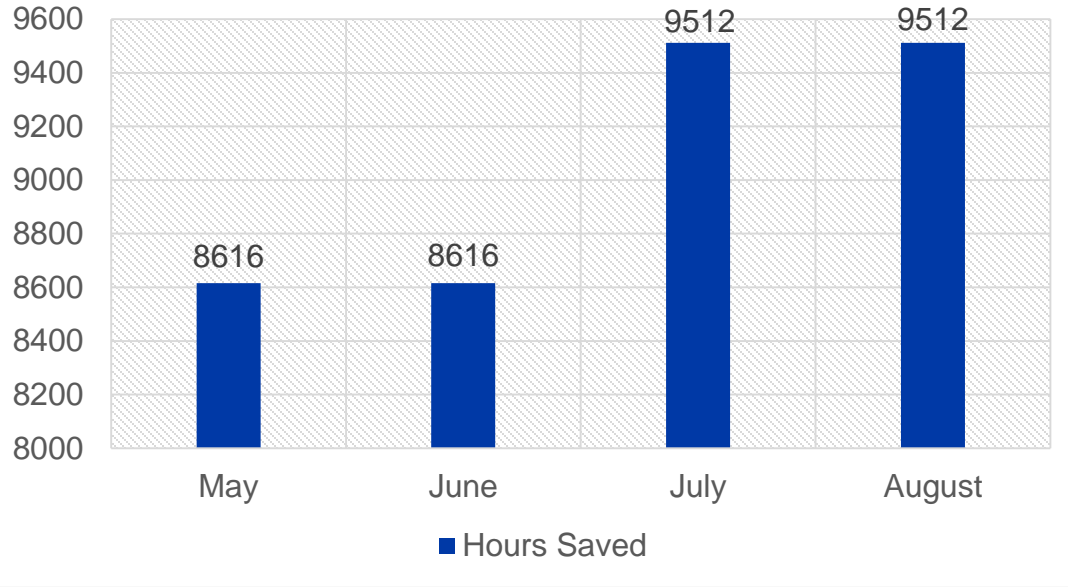
# SAVINGS IDENTIFIED AFTER REASSESSMENT 2023



**9512 Hrs.** (As of Aug 2023)

## Effort Saved per application

### Cumulative Hours Saved



**29** Applications in pipeline for reassessment in 2023



# AUTOMATION PROGRESS

# AUTOMATION 2023



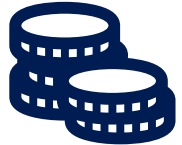
OKR

Implement automation capabilities through out the applications and achieve 80000 automation hours

## Objective



Automate repetitive processes



Capture automation to Return On Investment.

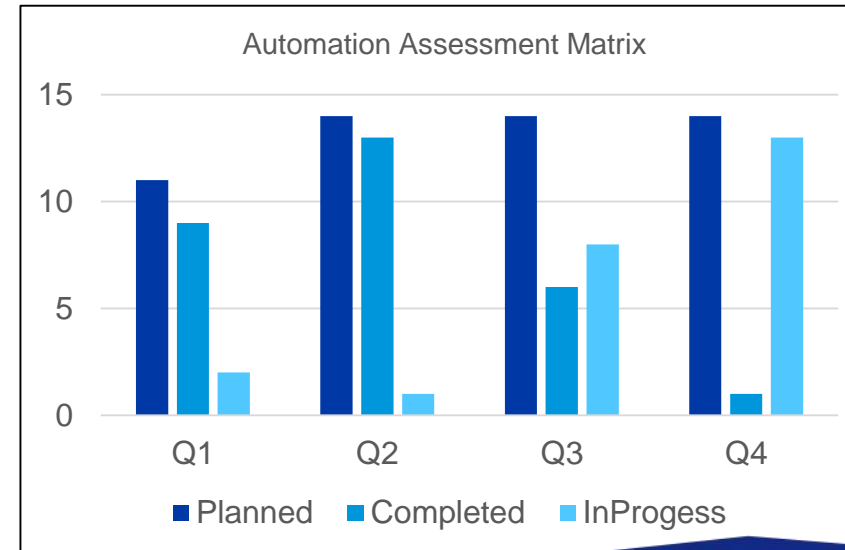


Knowledge sharing and bring culture of Automation

## Accomplishments:



Automation hours of 157542 has been accounted in the CoP.




# AUTOMATION STATUS - 2023

Target: 80k hrs  
Current status: 157k hrs




**Lucia Chung**  
Engineering and Product Support

Total : 157,542 hours



**Buba Turner**  
Engineering and Product Support

Status	Saved	Efficiency	Avoided
Complete	-	22,648	13,016
In-Work	-	19,869	-
Backlog	-	-	-
Totals	-	42,517	13,016
		55,533	



**Jeffrey Stein**  
Engineering and Product Support

Status	Saved	Efficiency	Avoided
Complete	-	12,110	-
In-Work	50	600	-
Backlog	-	-	-
Totals	50	12,710	-
		12,760	



**Jennifer Davis**  
Engineering and Product Support

Status	Saved	Efficiency	Avoided
Complete	-	30,049	28,800
In-Work	-	5,700	5,000
Backlog	-	-	-
Totals	-	35,749	33,800
		69,549	



**Premeela Chacko**  
Engineering and Product Support

Status	Saved	Efficiency	Avoided
Complete	-	15,784	316
In-Work	-	-	-
Backlog	-	-	-
Totals	-	15,784	316
		16,100	

# AUTOMATION STATUS

URL	Project Name	Record Status	Efficiency
<a href="#"><u>1</u></a>	DESE 3.3 Release Automation Savings	Complete	2238
<a href="#"><u>2</u></a>	Customer Engineering Production Release	Complete	2003
<a href="#"><u>3</u></a>	Boeing Predictive Assembly Technologies	Complete	2417
<a href="#"><u>4</u></a>	Functional Test Automation 3DExperience	Complete	2780
<a href="#"><u>5</u></a>	MBSI Software Express Deployment Automation	Complete	320
<a href="#"><u>6</u></a>	Flight Engineering and Propulsion Product Q1 Automation	Complete	66
<a href="#"><u>7</u></a>	SRP Gen Schedule and SRP Gen Template modules of BWS-CM	Complete	120
<a href="#"><u>8</u></a>	Automation of WIRS Application for Development and testing functionalities	Complete	1360

# TRAINING AND REFERENCES

# TRAINING AND SUPPORT

## Automation COP

<https://devsecops.web.boeing.com/index.html> [DevSecOps Enterprise Website]

## Training:

<https://devsecops.web.boeing.com/trainings.html>

<https://insite.web.boeing.com/culture/viewMedia.do?mediaId=428840>

Insite: DevSecOps related video series

Degreed: <https://degreed.com/pathway/mpl66o5r9d/pathway>

Oreilly: <https://learning.oreilly.com/library/view/the-devops-handbook/9781457191381/>

## Enterprise Support

In case of any queries interested teams can register themselves through [EMC](#) (check for the session with the name “DevSecOps Office Hours (India)”).

For Product Teams in US, [Click Here to block your slot](#)

For Product Teams in India, [Click Here to block your slot](#)

DSO Support Systems	Description	URL
ATOMS	Platform to onboard to some of the commonly used tools like Coverity, Netsparker, SonarQube	<a href="https://atoms.web.boeing.com/home">https://atoms.web.boeing.com/home</a>
ATOMS-CI	Saves your team time by generating an automated continuous integration pipeline and integrating different tools	<a href="https://atoms-ci.web.boeing.com/ci">https://atoms-ci.web.boeing.com/ci</a>
DevSecOps	Official DevSecOps website	<a href="https://devsecops.web.boeing.com/index.html">https://devsecops.web.boeing.com/index.html</a>
AppDynamics	Monitoring tool documentation	<a href="https://itms.pages.boeing.com/wiki/appdynamics/">https://itms.pages.boeing.com/wiki/appdynamics/</a>
Enablement kit	Architecture Checklist to improve maturity	<a href="https://devsecops.web.boeing.com/assessment/enablementKit.html">https://devsecops.web.boeing.com/assessment/enablementKit.html</a>
DSO Mattermost channel	Join this channel for any questions/updates	<a href="https://mattermost.web.boeing.com/dso/channels/town-square">https://mattermost.web.boeing.com/dso/channels/town-square</a>
DSO Consultation	Connect with the experts	<a href="#">DL DSO Consulting</a>
DSO COE InSite Group	Join this group for any questions/updates	<a href="https://insite.web.boeing.com/culture/viewGroup.do?groupId=168061">https://insite.web.boeing.com/culture/viewGroup.do?groupId=168061</a>
DevSecOps Video Library	Videos on different implementation	<a href="https://insite.web.boeing.com/culture/displayGroupMedia.do?groupId=168061">https://insite.web.boeing.com/culture/displayGroupMedia.do?groupId=168061</a>

# ASSESSMENT PROCESS

## DevSecOps Assessment Process Flow (Swimlane)

Please refer to the attached PDF.



## GSEP Process for Dashboard Access

Please use the [link](#) to get access to the assessment dashboard. This is an auto approval process. Please select the first option for Business Stakeholder group.

Try to access this [Dashboard Link](#) after few minutes.



# CONTACT US

	DRI	Project Management	Core Team Focal	Enterprise collaboration
DevSecOps	<a href="#">Abhishek Singh</a>  <a href="#">Kenneth C Shew</a>	Pramithi R Karimpanakkal	<ol style="list-style-type: none"> <li>1. Singh, Abhishek K</li> <li>2. Valiyarayil, Siby</li> <li>3. Pattanaik, Anup K</li> <li>4. Ammata, Sudhakar</li> <li>5. Bakhedi, Bharati Bahubali</li> <li>6. Balraj, Bharath K</li> <li>7. Ghosh, Saikat</li> <li>8. Ghosh, Subhabrata</li> <li>9. Gundupalli, Rajesh Reddy</li> <li>10. H D, Sarika</li> <li>11. K L, Bharath</li> <li>12. Karri, Ram Sai</li> <li>13. K-R, Rahul</li> <li>14. Kuriakose, Tintu M</li> <li>15. Kurian, Abhijith</li> <li>16. Kuruba Chandra Kumar</li> <li>17. Mistry, Ashok</li> <li>18. Nagaraju, Ganesh</li> <li>19. Nagziriya, Anshika</li> <li>20. Nair, Aathira Manikandan</li> <li>21. Padmanaban Shunmugam, Nihila</li> <li>22. Abhishek Kumar</li> <li>23. Prabhat, Kumar</li> <li>24. Radhakrishnan, Chinjumol</li> <li>25. Reddy, V Sanjeev</li> <li>26. Rompicherla, Rakesh</li> <li>27. Sawant, Swapnil Ravindra</li> <li>28. Varghese, Jessy</li> <li>29. Vinukonda, Basha</li> <li>30. Jayanta Mondal</li> </ol> <a href="#">DL Product Systems - DevSecOps Core Team</a>	<ol style="list-style-type: none"> <li>1. Karthik Tirukkoylur Sekhar</li> <li>2. Dolly Bhaskara</li> <li>3. Arun Prakash Jeyaprakash</li> <li>4. Anandapadmanabhan Gopalakrishnan</li> <li>5. Sushil Mishra</li> <li>6. Donald R Wellington</li> </ol> <a href="#">DL DSO DRIs</a>
Automation	<a href="#">Kenneth C Shew</a>  <a href="#">Naga Harsha Kaggallu</a>	Priyanka Dhanpal Chougule		



**THANK YOU**

