# **Business Application Hosting Strategy**

**Program Steering Committee** 

27<sup>th</sup> April 2021



Agenda	Agenda Items		Presenter	Time	Page
0.	Welcome & Introductions	Note	Chair		3
1.	Acceptance of previous meeting minutes	Accept	Chair	3:00 pm – 3:05 pm	4
2.	Open Actions	Review	Chair		5
3.	Program Update				
3.1	Overall Program Status	Review	Andrew Bettenay	3:05 pm – 3:15 pm	7-11
3.2	Program Replanning Progress	Review	Andrew Bettenay	3:15 pm – 3:25 pm	7
3.3	Service Management Update	Review	3(a), 3(b)	3:25 pm – 3:30 pm	13
3.3	Delivery Confidence Update	Input	Secretariat	3:30 pm – 3:35 pm	14
4.	Other Business – Questions on Supporting Materials	Discuss	All	3:35 pm – 3:40 pm	16
5.	Closed Session				
5.1	Financial Update	Review	Andrew Bettenay	3:40 pm – 4:00 pm	17-19
5.2	Benefits Update				

Attachi	Attachments						
1	Supporting Information Pack						
2	200331 BAHS Program Steering Committee - Meeting Minutes	Review Offline					
3	BAHS DCS Monthly Status Report as at 31 March 2021						

# 0. Welcome and Introductions

# 1. Acceptance of previous minutes

GIPA 21T-1510 information for release

2. Open Actions

Action No.	Action	Status Update	Owner	Due Date	Status
Nil					

# 3. Program Update

CATEGORY	PREV	CUR	оитьоок	SUMMARY (as at 1 <sup>st</sup> March to 31 <sup>st</sup> March 2021)
Overall	•	•	→	The BAHS Program remains RED this period. Critical planning sessions to remediate the schedule health will commence over the course of April 21 which will include senior RDS and will representation. Throughput to the Hybrid Cloud remains low, further heightening the unlikelihood of concluding the Program by September 21.  Over the month of March 21, 2 applications and 1 Integration Platform were migrated to the Hybrid Cloud. William has a limited BCP plan in place with some per person dependencies that cannot be mitigated  Preparations for the next DCS Assurance Review are inflight with the review expected to conclude by the end of May 21. The focus of this review is to assess the completeness of Drop 1 & 2, Fast Track Initiatives, Drives & iTree.  Go to green: Fast tracking and streamlining activities are inflight to speed up Java, Microsoft, Testing and Service Transition deliverables – see slide X for full update.
Scope	•	•	<b>→</b>	Scope remains GREEN, no material scope changes were submitted nor where any issues, constraints or dependencies recorded in the month of March 21.
Cost	•	•	<b>→</b>	Cost remains AMBER due to the risk associated to the Program not concluding by 30 <sup>th</sup> September 21. An update will be provided in the closed session.
Schedule	•	•	<b>→</b>	Schedule remains RED and is not expected to improve in the next reporting period. Critical planning sessions are scheduled to formalise an achievable plan forward. There are a variety of issues reported in the supporting material impacting the run rate of applications to the Hybrid Cloud.
Resource	•	•	<b>→</b>	Resourcing remains AMBER due to the risk associated to resource burnout caused by the reduced delivery timeframes and increasing workload. The Program is still facing issues securing the appropriate skill and capability
Benefits	•	•	<b>→</b>	Benefits remains GREEN, however benefit realisation will be delayed if the Program timelines are extended.
Risk	•	•	1	The risk profile as declined to RED as the schedule and prioritisation of integration activities are unlikely to align with what is required to enable our applications to be delivered within the required Program timeframe caused by a lack of detailed planning and management of Program dependencies resulting in the need to migrate applications without the services which in turn will cause additional cost, rework and risk. There is a risk to a shortage in without off-shore resourcing caused by a second wave of COVID-19 surging through India at the moment with the unavailability of key staff due to illness, resulting in having a probable detrimental impact on BAHS program velocity.  Overall the performance of the Program is sub-optimal and the risk associated to delivering our required run-rate will likely materialise to a critical issue preventing the Program from delivering it's scope by 30 <sup>th</sup> September 21; commercial discussions remain in progress.

Progress has been slower than expected in March 21 with only 2 applications likely to be migrated in April 21. As shown below, the probability of concluding BAHS by the end of September 21 is highly unlikely as a result of only 5 applications being more than 60% complete as of 20<sup>th</sup> April 21. In addition, not all applications have entered the production pipeline as shown in the 0% column.

							<u> </u>			
Month	Planned	Apps Forecast	0%	1%-9%	10%-39%	40%-59%	60% - 89%	90%	Apps most likely to deliver	App Complexity
April 21	12	1	1	1	3	5	1	1	IACD, Complete - HR lattice	6 Simple 3 Medium 1 Complex 2 No rating available
May 21	20	1	2	1	9	6	2	0	Cashback Claims, Cashback Online,	8 Simple 121Medium 0 Complex 1 No rating available
June 21	16	5	2	1	12	1	0	0	ArcGIS Maritime, MyPlates Rest, Plates Admin, Mobile Speed Camera	5 Simple 8 Medium 1 Complex 2 No rating available
July 21	15	11	2	1	11	1	0	0	Drives Registry Controller, SCHEMES, Oplinc_2, OPIS, Drives Registry Processor, VGR, Drives Core, Online Driver Licence Check, Drives Privacy Logging, ECCI, Drives Gateway, Drives SQL Forms, Dealer Online, DOL	7 Simple 3 Medium 1 Complex 4 No rating available
Aug 21	21	10	10	2	8	1	0	0	Truckscan Fixed, Test Booking System, Online Sanction Lift, Authorised Restrain (ARFSS), Online Rego Renewal, STC, MAA CTP, Truckscan Mobile, CES Core, Correspondence Workflow, Autoturn	9 Simple 7 Medium 1 Complex 4 No rating available

# 3.1 Key Achievements | Challenges | Priority Actions

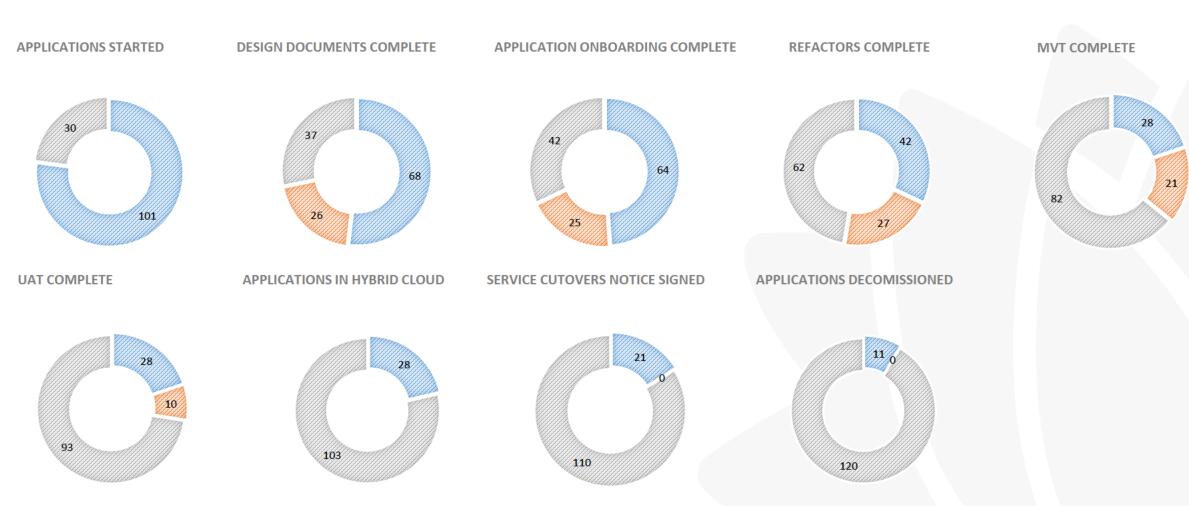
Achievements
Application Migration: March 21 Mail Relay Server and Plates Delivery Order and Management (PDOM) migrated 30 applications now migrated
<b>Decommissioning:</b> Benchmark formally 'Retired' Java Fast Track
DCS Submission: Nov 2020 now complete with planning complete for May 21 review.
SCN's Processes: Increased from 13 to 37 – which increases throughput on decommissioning in FAL
Microsoft and SIFP fast track: Commenced and MDD workshops kicked off from Monday 29th March
IIB Platform: IIB platform went live on 19/03. Planning for rollout of services underway and to be presented to leadership team early April
<b>External Stakeholders:</b> 105 out of 125 service consumers identified. Information pack sent to Councils, Police and Insurance. Contact established with 12 more organisations.
<b>User Guides / Training:</b> the final five database User Guides have been completed which brings the total to 36. Additionally the final Training Module, Module 5 Service On boarding has been

completed and will be made available in the Hybrid Cloud

**Consumption Library** 

Q	Challenges	<b>2</b>	Priority Actions
must be delivered wit	ith the increasing number of applications that hin a tight timeframe we need to ensure the manage delivery against the required	_	enefits of other key challenge activities and ning, review the demand for resources based nedule.
required. The uplift m of unnecessary seque	ther uplift during the design phase is ust allow for application complexity, removal ntial delivery and standardisation, and the nd approving MDD's must be streamlined to ery		e design phase activities and identify further automation
	ploy, Test The process for build, deploy, test amlined to support quicker delivery and	delivery of build,	ement initiatives that further streamline the deploy and test. Implement outcomes of dincreased triage of defects
Cloud has increased s applications are revie	nent for Security associated with the Hybrid ince inception of the program and as wed as existing security issues are identified. lance delivery of secure solutions against mes	security requirem	epts that they are obligated to ensure that eents are met. Identify opportunities to take iches to meet security requirements
that planning does no	anning processes must be refined to ensure t happen in silos and account for all quirements, and are realistic, reliable and		s post MVT and update based on application ning dependency work including applications mmence
and work undertaken migration schedule. S	to align both IIB and the application olution and service availability may cause a schedule if alignment cannot be achieved.	addressed and pro	dive of IIB to ensure risks and issues are ogress made. Review the migration schedule ent with IIB and maps to service criticality.
	es to be a challenge to get environments built rget date for MVT for Core is late April		ncluding SOA and Withhe to focus on all I to achieve late A <mark>f</mark> ril date
	allenges in service transition still exist priorities, model and engagement.	Simplify and strea	amline the Service Transition Process

From April 21, the status of only the parent and refactor/replatform applications as per the Tableau reporting will be included in this update. This previously included a subset of activities that are referred to as child applications that are not relevant to this forum. Currently there are 113 active backlog in BAHS, the remaining 18 backlogs are being stood up and will be reported in the coming reporting cycles. From May 21 we will reincorporate the progress increase for each key area of the BAHS Program.



Overall the Program continues to not meet the required run rate and this has resulted in a high number of applications being replanned. Senior Leadership Meetings have been held over the course of week commencing 12<sup>th</sup> April 21 to agreed remedial activities. This update now only includes the core parent and refactor/replatform applications.

### IN PLANNING



Application Name	Tech Type
Authorised Inspection Station	
(AIS) System	Lotus Notes
Closed Circuit TeleVision	Other
CM21	COTS
eBUSINESS Platform	Other
File Integrity Monitoring	Other
Internal LNR	IIB Service
Maritime eStore	Java
MARS	Other
	Integration
Messaging Queue (MQ)	Platform
Old Driver Assessment (ODA)	Java
Online User Maintenance	Java
Partner	IIB Service
SQL Server Reporting Services	Other
Toll Incident Violation System	
(TIVS)	Java
Wharf Booking System	Java
Working with Children Check	Other
Workshop Management System (WMS)	Other
Written Off Vehicle Register	
(WOVR)	Java
Total: 18	

\*Figures will fluctuate over the life of the Program.

# APRIL 21

Application Name	Tech Type	Go Live
IACD - Intelligent		
Access Compliance		
System	iTree	15/4/21
Case to Court		
Management System	COTS	16/4/21
Road Asset		
Application- RAA	Microsoft	23/4/21
Common Expiry Date		
Fleet (CEDF)	Java	24/4/21
Customer Enquiry		
and Verification Of		
Certificates (CEVOC)	Java	30/4/21
Demerit Point		
Enquiry - B2B		
Webservice	Java	30/4/21
Eforms	Java	30/4/21
Environmental		
Performance (EP)	Java	30/4/21
OpenLDAP	COTS	30/4/21
SIFP	Database	30/4/21
Traffic Facilities		
Mgmt	Microsoft	30/4/21
VRRPT - Vehicle		
Regulation Report		
Server	iTree	30/4/21
	1	

Total: 12

# **MAY 21**

Application Name	Tech Type	Go Live
Heavy Vehicle		
Competency Online		
Reporting System	Java	7/5/21
Online Booking System		
(OBS)	Java	7/5/21
Online Information		
Requests (OIR)	Java	10/5/21
IBM Cognos	EDW	12/5/21
myPlates REST	Java	14/5/21
Plates Admin	Java	14/5/21
RVDs Online	Java	14/5/21
HVRS - Heavy Vehicle		
Rating System	iTree	15/5/21
Road Safety Officer		
System (RSOS)	Java	15/5/21
	Integration	
Spring Adapter	Platform	15/5/21
ArcGIS Maritime	COTS	28/5/21
Cashback - Claims	OFM	28/5/21
Cashback Online	Java	28/5/21
Elect to be of Good		
Behaviour	Java	28/5/21
Fujixerox Ezescan	COTS	28/5/21
MAIP Management		
System	Java	28/5/21
MyInspections (IBS)	Java	28/5/21
HVNS - Heavy Vehicle		
Notice System	iTree	30/5/21
Motorways	IIB Service	30/5/21
Vehicle Regulation		
Management		
Information System	iTree	30/5/21
Tota	l: 20	

## **JUNE 21**

Application Name	Tech Type	Go Live		
ETOLL-IVR	Java	4/6/21		
Online Account				
Drives Servlet	Java	4/6/21		
Online Special				
Permits	Java	4/6/21		
IBM Infosphere	EDW	11/6/21		
iServer	Microsoft	11/6/21		
Mobile Speed				
Camera (MSC)	COTS	11/6/21		
Travel Time Server	iTree	17/6/21		
ArcGIS Roads	COTS	18/6/21		
Webgway	Java	18/6/21		
Location Translation				
System	EDW	25/6/21		
Common Information				
Module (CIM)	Java	30/6/21		
eSafety Check (IS)	Java	30/6/21		
Online Forms	Java	30/6/21		
Online Replacement				
Products	Java	30/6/21		
Secure File Transfer	IIB			
Gateway (SFTG)	Platform	30/6/21		
SNSW	IIB Service	30/6/21		
Total: 16				

# **JULY 21**

iTree	15/7/21
iTree	15/7/21
iTree	15/7/21
Drives	24/7/21
Drives	24/7/21
Drives	24/7/21
Drives	24/7/21
Drives	24/7/21
Drives	24/7/21
Drives	24/7/21
Java	30/7/21
Java	30/7/21
Java	30/7/21
Java	30/7/21
COTS	30/7/21
IIB Service	30/7/21
l: 15	
	Drives Drives Drives Drives Drives Drives Drives Java Java Java COTS

# **AUGUST 21**



Application Name	Tech Type	Go Live
Correspondence Workflow	Java	1/8/21
TruckScan Fixed	iTree	10/8/21
TruckScan Mobile	iTree	10/8/21
Online CTP		
suspensions_cancellations		
(MAA CTP)	Java	15/8/21
Online Registration		
Renewal (myRego)	Java	15/8/21
Test Booking System (TBS)	Java	15/8/21
Authorised Restraint		
Fitting Station System	Java	30/8/21
Autoturn - Transoft		
Solutions License Server		
19	COTS	30/8/21
BAASIS	Database	30/8/21
Boating Officer Safety		
Network (BOSN)	Other	30/8/21
CES - Camera Enforcement		
System (Core)	iTree	30/8/21
Ctrack	Other	30/8/21
Indigo	Other	30/8/21
Land Use	GIS	30/8/21
Online Sanction Lift	Java	30/8/21
Project Information Data		
System (PIDS)	Other	30/8/21
School Zone Alert System	Other	30/8/21
STC - Safe-T-Cam (Gov DC)	iTree	30/8/21
Transport Information		
Management System		
(TIMS)	Other	30/8/21
TRIM	Other	30/8/21
WimNET TR	GIS	30/8/21
Total: 2	1	

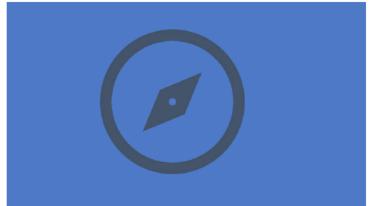
Core Applications/Services					
Type Delivered to date Remaining applications left to migrate					
Parent	28	103	131		
Refactor/Replatform	0	8	131		

Total*	
131	

<sup>\*\*</sup>This does not include applications currently in the descoped, pipeline descope or child categories that may need to have their service transitioned or migrated.

Other Applications/Services\*\* Delivered to date Remaining applications left to transition Total Retire Retain

# Approach



# People

- Scaled resourcing across the board to ensure full capacity and capabilities to get the volume of apps transitioned. Owner: 3(a), 3(b)
- Executive engagement from Withheld Owner: 3(a), 3(b)

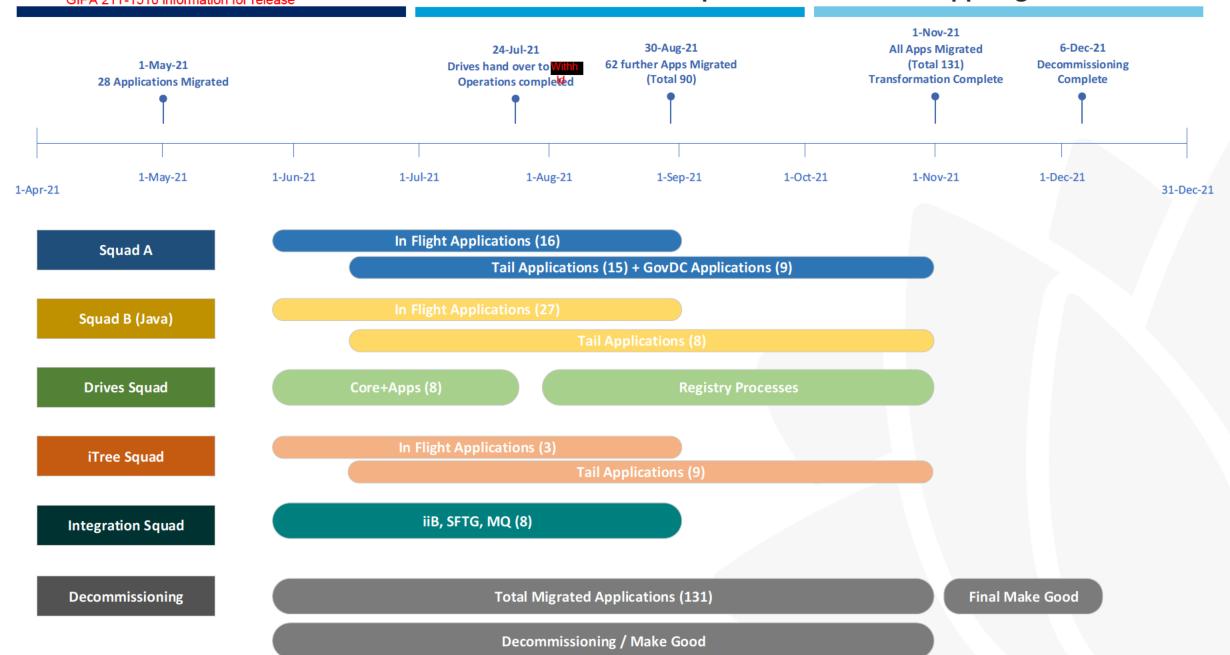
# Process

- Defect root cause analyses and dedicated focus to drive defect prevention and resolution time across the program. **Owner:3(a)**
- Accountability and responsibility pushed down to Squad and Studio level. **Owner:** 3(a), and Andrew Bettenay
- Automation of processes and alignment for timely turnaround. **Owner:** Andrew Bettenay /3(a),
- Streamlining Service Transition and go-live processes. **Owner:** Andrew Bettenay /
- Timely turnaround from external Agencies. **Owner:** Andrew Bettenay

# Technology

- Ensure Vendor Code is fit for Hybrid Cloud Vendors to be engaged with app onboarding and ensuring their applications work in the Hybrid Cloud. Owner: Andrew Bettenay
- Technology Program forum for proactive decisions and direction. Owner: Andrew Bettenay,3(a),

# 3.2 Proposed Timelines and App Migration Numbers



# The BAHS program can complete a successful exit from FAL in 2021

However this will be dependent on a number of significant changes to the current way of working, including:

- •Upscaling of resources in terms of Capacity and Capability in specific areas of the delivery partner;
- •Streamlining the processes around the build and deployment of applications into the Hybrid Cloud;
- •Rapid pick-up of applications not yet started;
- Pragmatic delivery approach including triage of defects to take to production, ensuring that application migration defects take priority over warranty defects and a realistic approach to the improvement in security posture of applications during migration.

Specific actions that the program team are taking (People / Process / Technology) detailed in previous slides

Covid-19 Second Wave in India poses a risk to the program and mitigations need to be enacted. Refer to the next slide

CR Discussions to continue in parallel and will not impact these commitments.

Financial modelling continues in line with proposed timeline on previous slide and will be presented at next Steerco, pending endorsement





We are continuing restrictions on travel, customer visits, and physical gatherings, until further notice. Our global Environment, Health & Safety (EHS), and crisis management teams are monitoring the situation around the clock.

For our engagement with TfNSW we have taken appropriate steps in line with the BCP plan. We are closely monitoring the situation in India and will provide consistent and timely updates if and when the situation changes. None the less, the COVID situation in India poses a risk and any impact to the engagement is being closely monitored and will be advised further.

# **ANZ** and India

#### ANZ

- Sydney and Melbourne offices in Australia are currently operational with minimal staff
- Most employees in this region are WFH, with only critical personnel reporting to the office on an asneeded basis

#### India

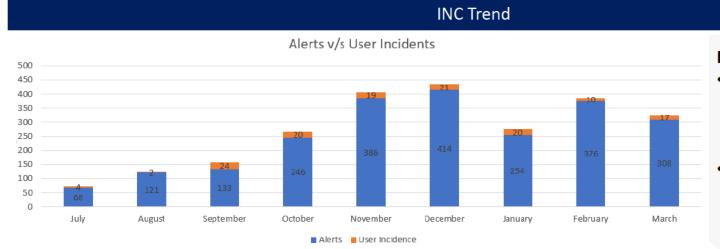
- India is currently witnessing the second wave of COVID-19 across locations
- We are encouraging employees to continue WFH unless WFO is a must
- · Leadership mandated teams to stay connected with all employees and render any support
- Now that the government has allowed COVID-19 vaccination sessions to be held at private workplaces, we are in process of setting up vaccination camps for our employees and family at our campuses
- All campuses in India remain operational with reduced strength. All accesses are controlled using Wipro's Back-to-Office app along with social distancing tracking
- · Zones have been implemented across the campuses to minimize employee cross movement
- Laptop walk-in centers are created at campus gates to segregate walk-in and WFO employees

# **BAU Operations Executive Summary – Mar 2021**

# Summary **Previous** period period **OVERALL** G G Application G G Support G G **Hybrid Cloud** Platform Engineering Incident G G G G **Problem** G G Change **Hyper Care** G G Backup & G G Recover G G Security Risk & Issues

# **Key Highlights**

- Zero event related Security Incidents reported in Mar 2021 for second consecutive month.
- Lotus Notes (BMS & SIS), PDOM and IIB Platforms went live in March
- Configuration Management compliance percentage has increased to 96 % from 92 % in last reporting period, the trend has been upwards from past 4-5 months.
- ➤ Continual Service Improvement: Approval received from ARB for migration of storage from Gp2 Volume to Gp3, it will reduce ~20% of overall Volume cost with improved performance
- Appreciation received from RDS financial management team for Withheld continuous efforts towards HC cost optimization.
- Achieved \$251,917 USD as total saving in Mar 21 as part of financial management capability
- Successful completion of OFM Platform IT Service Continuity Exercise.



# **Prev vs Current Month**

- Increase in end user INCs from 10 to 17 due to recent cutover apps
- Reduction in alerts due to Alert Optimization

Withheld pending 3rd party review rights	

# 4. Other Business – Questions on Supporting Information

# End of meeting for Invitees Thank you.



Overall Status		The BAHS Program financials are AMBER.  The BAHS Program financials are AMBER.  The BAHS Program financials are AMBER.		
<ul> <li>The current financial forecasts allow the program to be delivered by 2<sup>nd</sup> quarter of FY22.</li> <li>While program is targeting Sep-21 as the date of program completion, the risk of further delays have caused the program costs Amber.</li> </ul>				
Previous Current Status				
Progran	Program Capex  Available Capex funding can cover the program till 2 <sup>nd</sup> quarter of FY22. No further contingency on the program keeps the costs Amber.			
		Available Capex fulfuling can cover the program till 2 quarter of 1122. No further contingency on the program keeps the costs Amber.		
Opex (Double run)		Business case can only cover (d) double run costs in FY22. Given the risk of delays to FAL exit date, these funds may not be sufficient. Hence Program Opex has been marked Amber.		
Business case can only cover add add double run costs in FY22. Given the risk of delays to FAL exit date, these funds may not be sufficient. Hence Program Opex has been marked Amb				
Benefits  Drogram Banefits realization shall be delayed if the program timelines get extended. However program is an track to achieve the		Program Reposits realization shall be delayed if the program timelines get extended. However program is on track to achieve the hopefits quantified during the business case.		
Program Benefits realization shall be delayed if the program timelines get extended. However program is on track to achieve the benefits quantified during the business case				

# BAHS Program Forecast vs Actuals by fiscal year

Mil AUD		Total		FY19	FY20	FY21	FY21	FY21	FY22
WIII AUD	PTD	Budget	Forecast	Actual	Actual	Actual	Budget	Forecast	Forecast
Сарех	4(d)	4(d)	4(d)				4(d)	4(d)	4(d)
Орех	4(d)	4(d)	4(d)	4(d)	4(d)	4(d)	4(d)	<b>4(d)</b>	4(d)

<sup>\*</sup>Above numbers assume that 5 Mil of unallocated funding from the business case shall be allocated to BAHS

# **Financial Benefit Profiles**

Benefit	Reduced Hosting & Managed Services Cost	Benefit type	Financial (cashable)		
Benefit description	IT anticipates that the implementation of this Project would result in a reduction of Opex costs by 4(d) s. Opex savings are derived from the avoided cost of infrastructure lifecycle management as well as savings drawn from Application Support Services by new Application Managed Service provider.				
Calculation method	Comparing actual capex for Application Hosting Transitions with the forecasted infrastructure uplift in legacy environment.	Benefit Owner	Stuart Werner, RMS IT CIO		
Baseline Value	4(d)	Target Value	4(d)		

Benefit	Avoided additional infrastructure upgrade costs	Benefit type	Financial (cashable)	
Benefit description	IT anticipates that the implementation of this Project would result in a reduction of Capex costs by 4(d) Capex savings in the Final Business case are derived from the avoided cost of upgrading already depreciated infrastructure assets in the legacy environment.			
Calculation method	Comparing actual capex for Application Hosting Transitions with the forecasted infrastructure uplift in legacy environment	Benefit Owner	Stuart Werner, RMS IT CIO	
Baseline Value	4(d)	Target Value	4(d)	

# **Financial Benefit Summary**

The cashable OPEX offset & cashable CAPEX, has produced a negative benefit of \$62.1m YTD Mar 21. This is in line with business case assumptions where \$ reductions in organization costs would be visible post program completion date.

	Cashable Capex (\$)	Cashable Opex (\$)	Total (\$)	Benefit Delivery Date	
Approved Financial Benefits	4(d)			Nov-26	
Approved Financial Benefits (CRs)				Nov-26	
Total Approved Financial Benefits				Nov-26	
Realised Financial Benefits				Nov-26	
Future Financial Benefits				Nov-26	
Total Expected Financial Benefits				Nov-26	
Benefit Variance				Nov-26	

Benefit Categories	B001 (OPEX Optimization)	B002 (Upgrade & Refresh Cost Avoidance)	(Upgrade & Refresh Cost (Operability Uplift		B005 (Re-usable Asset Monetisation)	
Work Progress Status	A At Risk	G On Track	A At Risk	G On Track	- Not Started	
Benefit Realization Status	G On Track	G On Track	Not Started	Not Started	- Not Started	

# **Current Focus & Activities**

- B001
  - Scope for Decommissioning and Make Good stream drafted, awaiting review and finalization, we will be starting sprints for further analysis and execution preparation
  - SCN backlog still an issue, we haven't seen any traction on the same, to enable close monitoring backlog is being updated with new epics
  - FAL has responded to the data request with the SOW, will be taken up for approval and subsequently FAL will share further data for the same

- B003 -
  - Defining framework for the Operability of application, this will enable us to derive benefits coming from the operations risk reduction owning to technology advancement through BAHS
- B004 -
  - Price book is being updated based on recent discussion and guidance from stakeholders withhel service catalogue is awaited for consultancy services
  - New tagging design is being implemented to enable us benefit reporting, dates awaited from Withhel for the same

# Program Issues & Risks

- Issue
  - There is an issue that stream leads are not submitting their SCN's in the required timeframe, caused by a lack of focus on activities past go-live, resulting in delays to decommissioning, impacting FAL planning and potential delays to the program end date and delivery of benefits
- Risks
  - There is a risk that RDS are unable to complete decommissioning planning and commence decommissioning activities, caused by the late commencement of the planning by Withheld this may result in a delay to the end of the program, risk associated with scheduling of the application planning not allowing for decommission priorities or reduced quality of deliverable.
  - There is a risk that we discover additional network and IT assets late in the decommission lifecycle, this will be caused by timely or non-availability or quality of data of comprehensive asset and network data for Global Switch Data Centre provided by TfNSW, this may result in an increase of effort and therefore a potential delay to decommissioning from FAL data centre/end of the program