

IT Division Project

Implementation and Migration
from SAP ECC6.0 to SAP S/4 HANA
on cloud platform



Hosting Joyful Connections



Malaysia Airports



@MY_Airports



Malaysia Airports



malaysiaairports



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PROJECT OVERVIEW

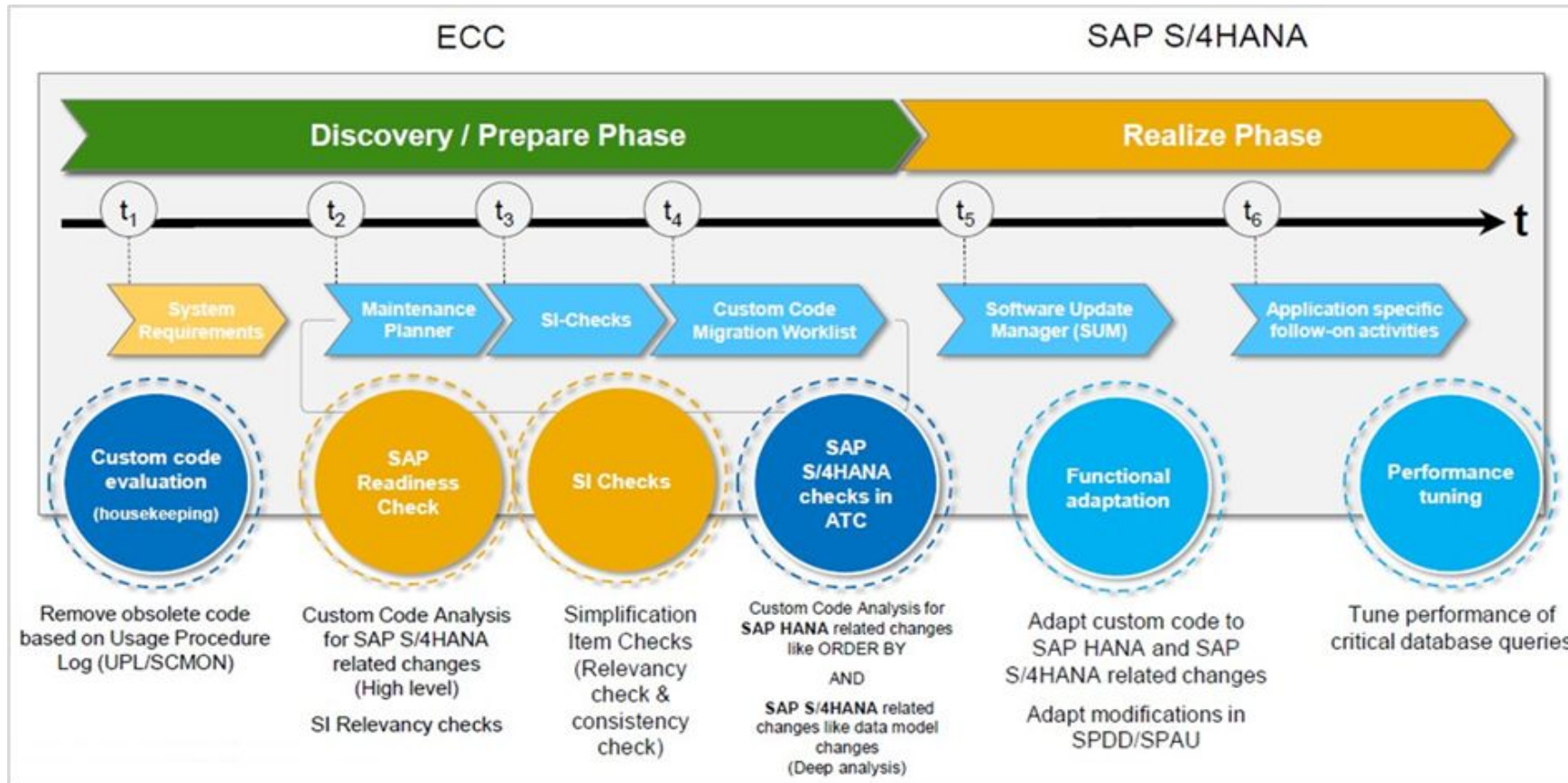
MAHB's Objectives :

- ❑ Migrate :
 - MAHB's SAP ECC6 EHP7 architecture to SAP S/4HANA (SAP RISE Cloud)

MAHB's Key Expectations :

- ❑ Aggressively aim & plan to deliver the projects ahead of schedules
- ❑ Migration should be 'Lift & Shift' model – no compromise to what business is getting
- ❑ Jointly & seamlessly solve problems during the journey together by MAHB & WESB teams and deliver outcomes to business with common success vision.

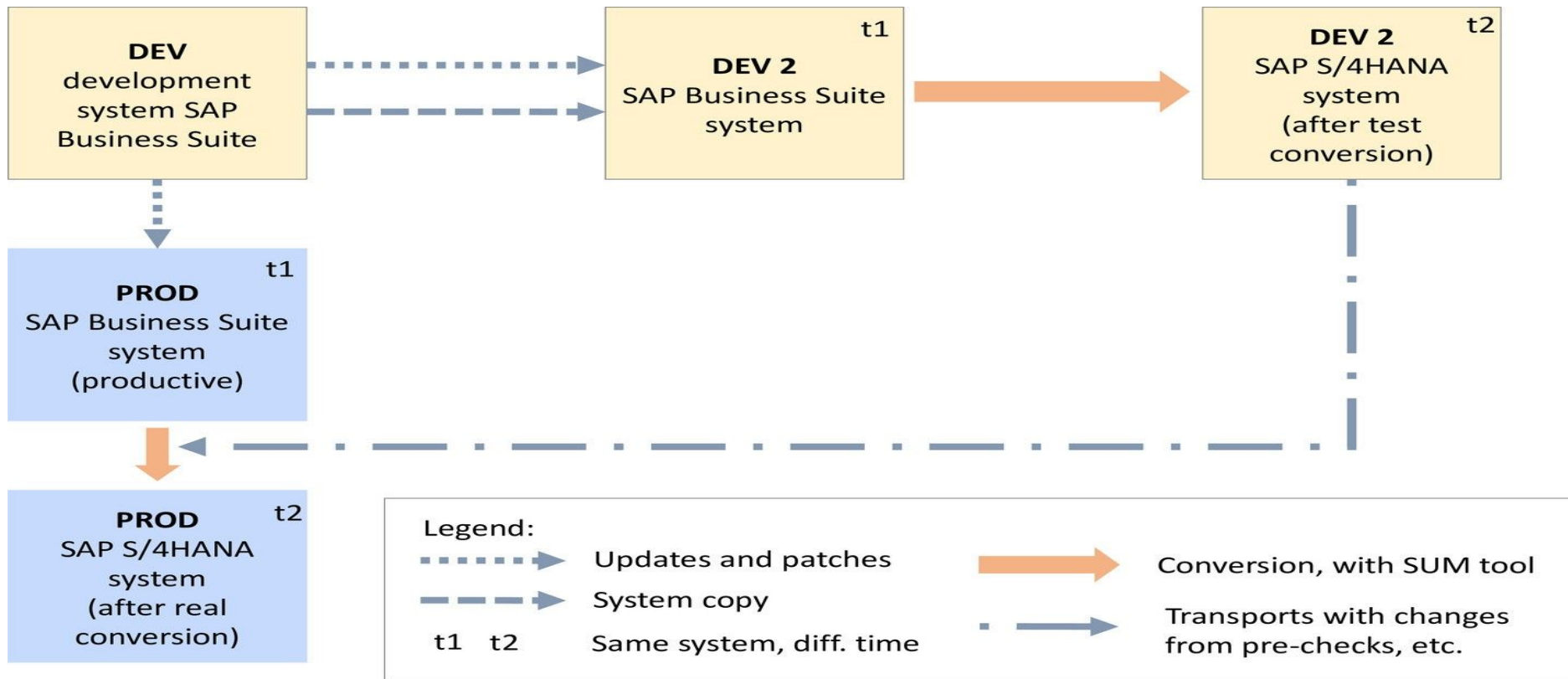
S/4 HANA System Conversion Sequence



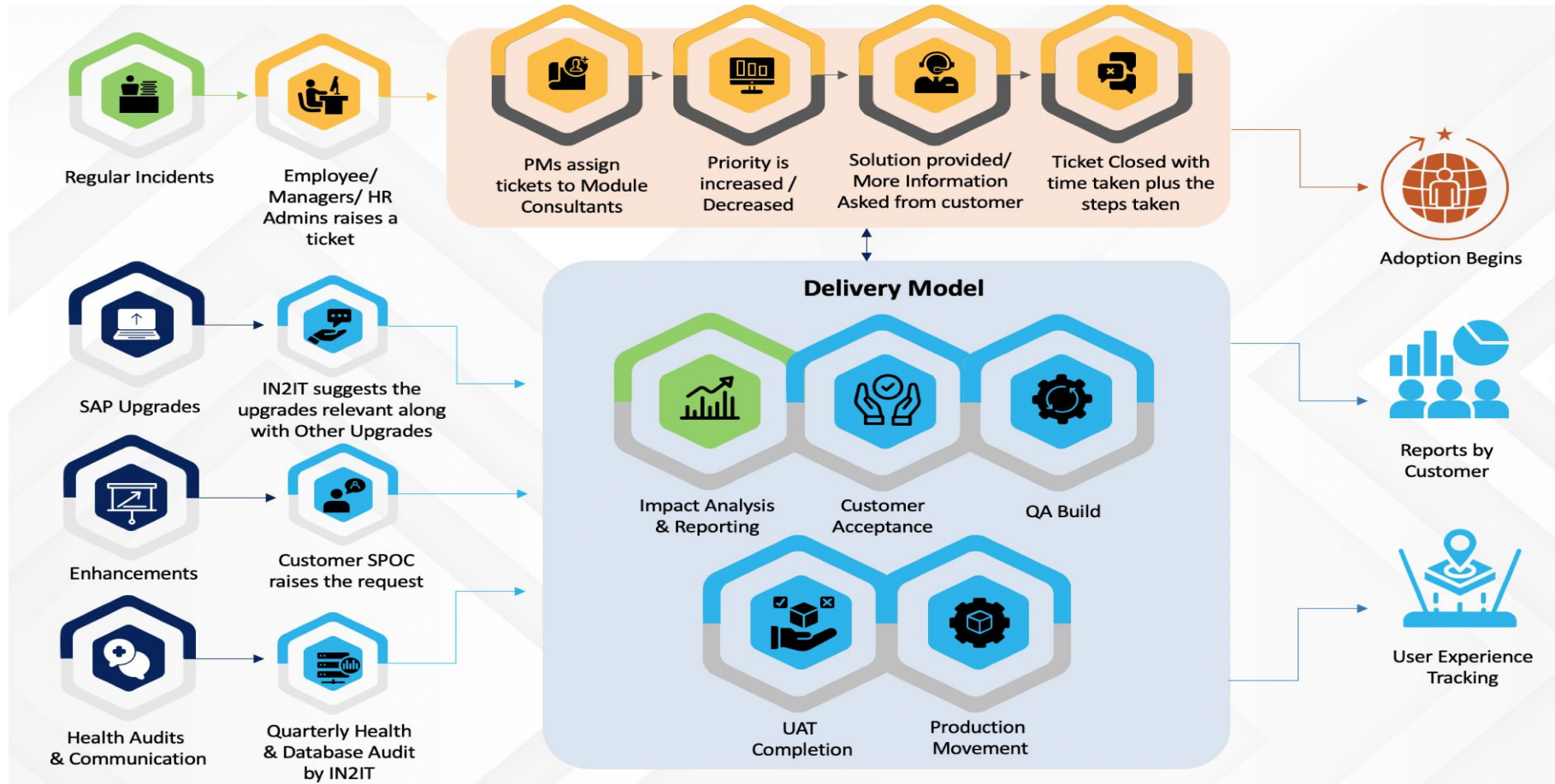
Note:

- Deployment Plan and Fall Back Plan will be prepared & agreed with MAHB during the project execution

S/4 HANA System Conversion Process



Application Management Services Delivery Framework





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**TIMELINE, SCOPE
AND PLAN**

PROJECT TIMELINE





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**PROJECT
STATUS**

Overview of SAP S/4HANA Migration Project



S/4HANA Timeline

Project Duration
Apr 2024 - Oct 2025

Final Go-Live
Oct 2025

Key Milestones Progress - 5 Stages

Sandbox Conversion
100%

Prod Conversion (Dry Run)
100%

Development Conversion
100%

QA Conversion
100%

Final Production Conversion
100%

Project Description

• Key Objectives

- Brown field approach.
- To modernize with advanced features, functionalities, and benefits of SAP S/4HANA.
- Ending of Support for SAP ECC6. Migration ensures continued support and system updates.

• Key Migration Components

- 23 Company Codes
- 4 Key Modules (FICO, PM, MM,HR)
- 12,000++ Custom Objects.
- 1,200++ SAP Business Users from various departments.
- 27 system integrations points.
- Legacy data & doc migration.

• Key Outcomes

- Improved User Experience and access to new SAP features and innovations.
- Enhanced Flexibility for Cloud Adoption.
- App Management System (AMS) for Continuous Support & Improvement
- Adoption of SAP's industry best practices.
- Enhance cloud security with a focus on rapid failover and faster recovery in the event of cyber incidents.
- Complete the migration with expected outcomes and validation.

Project Progress

• Key Progress

- 4 stages of S/4Hana conversions were completed. On going Final Production conversion until 28th July.
- S/4HANA UAT completed for functional & integration testing.
- S/4Hana Final Mock Run has completed, and data Validation is ongoing.
- Migration and deployment completed.
- Continuous support and monitoring



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**PROJECT
CHALLENGES**

1

Multiple Legacy Customizations



- SAP ECC6 carry years of **custom objects and enhancements (~12,000++)**.
- Migrating to S/4HANA **requires effort & times to identify and convert** into S/4Hana model to ensure all required program are working and available.

2

Integration with On-Premise & 3rd Party Systems



- **Over 27 system integrations** need to be migrated with compatible program.
- **Effective coordination and testing with various stakeholders** are essential to ensure proper integration functionality.

3

Large User Base and Testing Coverage



- With **over 1,200 users** from various functions, training, familiarization and support is quite a challenge.
- **Extensive testing** was done across modules, roles, and integrations, covering **over 1,000 scenarios** for 4 key modules (FICO, PM, MM, HR).

4

Vendor Invoice Management Solution



- SAP VIMS Open Text required **extra licenses** for the cloud-based setup, resulting in **high costs**.
- Evaluated and moved to **non SAP** - similar & superior features, cost efficiency and **reduce SAP dependency**.

5

Timeline Constraints



- Cutover with **limited timeframe** due to **business user activities** - financial closing and payroll cycles.
- New infrastructure setup, connectivity, and migration processes.

6

Change Management Controls



- A change request **freeze period** is needed **to control customisations** during the project.
- All changes by business users were postponed until after migration, requiring **effective engagement & management** of user expectations.



Key Lessons Learned

Planning & Scope

- **Early planning and collaboration with all Stakeholders** : Significant Key to overcoming challenges and ensuring successful project delivery (i.e manage expectations, coordination, communication, etc).
- **Conduct a thorough study and define detailed licensing requirements early** : To avoid unexpected additional license costs during the project.

Time Management

- **Testing requires cross-functional involvement** : To allocate sufficient time, resources, and secure user availability in advance for User Acceptance Testing (UAT).
- **Buffer time allocation** - should be built in for unexpected or unfortunate delays.

Change Management Control

- **Promoting Standardisation in S/4HANA Adoption** : To minimise customisation, S/4HANA's standardisation approach is recommended with close collaboration with business users.

Users Involvement

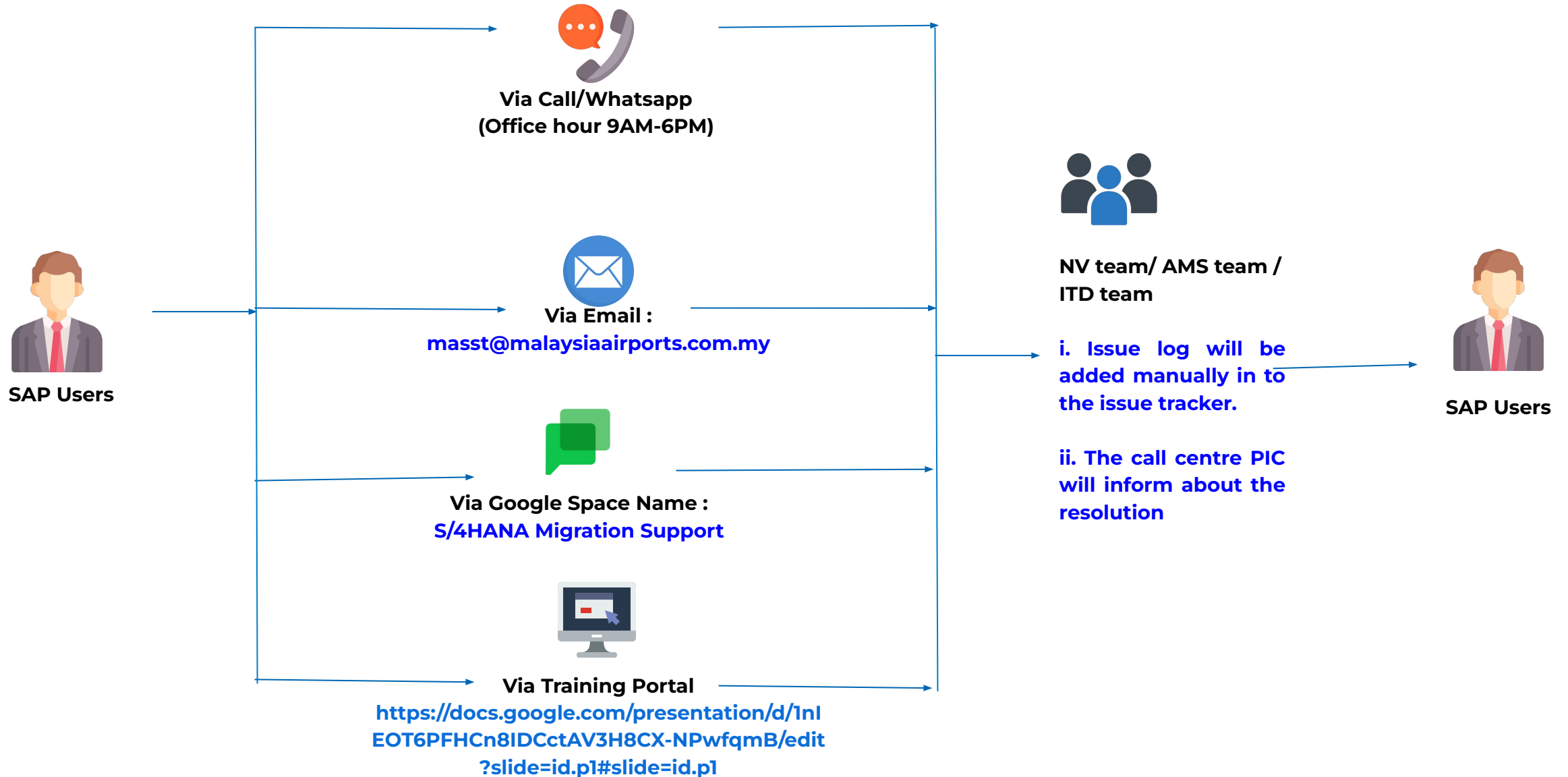
- **Engage business users early for smoother migration and adoption** : To avoid delays caused by dependency on user-driven activities. (limited migration windows, UAT, etc).

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SUPPORT FLOW

S/4HANA Go-Live Support Flow



Thank you

