

Airport Status Information Tool (ASIT)



ICAO



Block.Aero

15th Global Humanitarian Aviation Conference – Day 1 – October 11th

We are mission-driven
community of
professionals who
love aviation



33

Team Members

19

Nationalities

Sustainability, Diversity,
Equal Opportunity, and UN SDGs



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United Nations
Global Compact

Block Aero is actively working on / towards...

5 GENDER
EQUALITY



7 AFFORDABLE
AND CLEAN
ENERGY



9 INDUSTRY,
INNOVATION
AND INFRA-
STRUCTURE



10 REDUCED
INEQUALITIES



13 CLIMATE
ACTION



17 PARTNERSHIPS
FOR THE GOALS



To manage aviation assets, we must efficiently know...

Can we establish **traceability**
back-to-birth?

Who **operated** this part?

Who **owned** this part?

Was continuing **airworthiness**
maintained throughout the life cycle?

Is it **sustainable**?

Is it **available**?

Is it **serviceable**?

...that's the value



Block.Aero

brings to the aerospace industry

Building Resilience with Blockchain





What is a Blockchain?

What are Digital Assets?

...in Humanitarian Aviation?

Aviation Example: Authorized Release Certificates (ARC)

➤ Your org

➤ Those AP

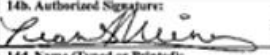
➤ Those en
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1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: S000024874	
4. Organization Name and Address: TurbineAero Repair 50 South 56 th Street, Chandler, Arizona 85226 (VJR367K)					5. Work Order/Contract/Invoice Number: N/A	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	APS3200	4500001C	1 ea.	3525	REPAIRED	
12. Remarks: Repaired, tested, and visually inspected L.A.W. APS3200 EM, Rev. 57, Document No. A320 EM, Manual Part Number 4510732, dated 29/APR/2019. No FAA Airworthiness Directive are applicable to this APU model. Incorporated service bulletin 4500001-49-91 Dated 14/OCT/2002. Refer to the shop visit report, logbook report and the life limited parts summary page for pertinent information. Refer to SRO# S000024874. TSN 10937:00 CSN 10,854 TSR 0:00 CSR 0 Unit preserved for longtime storage up to 18 months L.A.W. HSPS 490001 SPM Rev. 5, DATED 25/AUG/2015. Preservation valid until 10/DEC/2021. Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA 145 4948						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
				 		VJR367K
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
				Frank Meiner		10/JUN/2020
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (02-14)				NSN: 0052-00-012-9005		



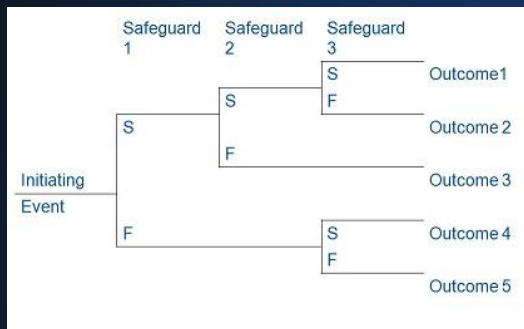
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Aviation Example: Authorized Release Certificates (ARC)

- Your organization has issued or handled thousands of ARCs over the last year
- Those ARCs are sent or forwarded on to hundreds of end users
- Those end-users have no easy way to tell if the document is tampered or not because they could receive the ARC from thousands of potential sources and intermediaries

Thousands x Hundreds x Thousands

Hundreds of millions of potential safety risk initiating events every year



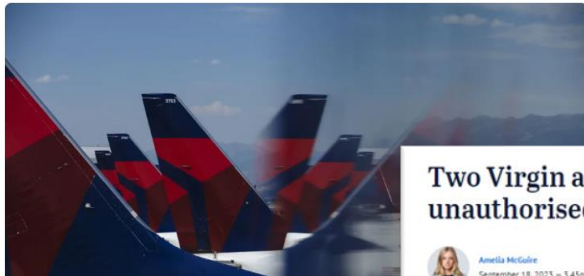
Industry Safety Crisis: A Safety Failure to Protect Against Poor Information Management

Delta Says Some of Its Jet Aircraft Engines Used Fake Parts



Mary Schlangenhein

Tue, October 3, 2023 at 5:13 AM GMT+7 · 2 min read



Two Virgin aircraft pulled from flying due to unauthorised engine parts



Amelia McGuire
September 18, 2023 · 3.4 km



Two United Airlines 737NGs Found With Parts From AOG Technics

Christine Boynton

United Airlines is replacing engines on two Boeing 737NGs after finding parts from AOG Technics, a supplier alleged to have falsified certification documents.



Fake Spare Parts Were Supplied to Fix Top-Selling Jet Engine

- Airlines, repair shops race to gauge issue on A320, 737 jets
- EASA warns of false documents, parts with unknown origin



GE, Safran Identify 126 Jet Engines That Contain Fake Parts

- GM, Safran have now identified parts in 126 jet engines
- CFM found it made one purchase of suspect parts from AOG



General Electric Aviation assembly jet engines. Photographer: Luke Sharrett/Bloomberg

By [Ryan Beene](#) and [Albertina Torsoli](#)

October 4, 2023 at 9:22 PM GMT+3

Updated on October 4, 2023 at 11:26 PM GMT+3





☰ Active poll

How do you typically share information between organization?

Scanned, or text based pdf documents.

Scanned, or text based PDF documents → 69%

Data manually uploaded to a customer / vendor portal

Data manually uploaded to web portal → 17%

Data electronically exchanged between ERP systems

Data electronically exchanged between ERP → 14%

Paper Documents (records, PO, etc..)

Paper Documents (Records, POs, etc.) → 0%

Join at
slido.com
#AEUSA

Current *modus operandi*

- Request for information regarding airport status:
 - Triggered by OCHA
 - Multiple formats
 - Multiple sources
 - Multiple versions
 - Verified vs Unverified
 - Official vs Unofficial
 - Timeliness
 - Disambiguation



HUMANITARIAN
ACCESS & CAPACITY



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Sound Familiar?

AIRPORT SITUATION REPORT - DORIAN/BAHAMAS#04											
Report date	06-September-2019-11:00 Z										
Next update	A new airport situation report will be provided as soon there is new information available about airport status. Updated information										
Useful links	https://www.gadoboard.com/dashboards/CLL1214MQUINAPR https://reliefweb.int/map/bahamas/hurricane-dorian-airport-status-bahamas-northern-islands-04-sep-19-2019 https://www.humanitarianresponse.info/en/operations/latin-america-and-caribbean/infographic/bahamas-hurricane-dorian-04-sep-19-2019										
General	Name	Lynden Pindling International (MYNN / NAS) - Nassau			Grand Bahama International (MYGF / FPO) - Freeport			Leonard M. Thompson International (MYAM / MHH) - Marsh Harbour			
	Location	N25 02.3 W078 28.0			N26 33.9 W078 41.7			N26 30.0 W077 05.1			
	Focal Point	Mr. Gibson Nason, Manager Safety & Emergency Operations, Public Safety, Nassau Airport Development Company (Source: ACI)			Mr. Aliu Davis, Senior Superintendent - Family Islands, Airport Authority Bahamas (Source: ACI)			Mr. Aliu Davis, Senior Superintendent - Family Islands, Airport Authority Bahamas (Source: ACI)			
	Operational Status	OPEN	UNKNOWN	CLOSED	OPEN	UNKNOWN	CLOSED	OPEN	UNKNOWN	CLOSED	
	Remarks	(Source: ICAO Regional Office). See Special Procedures column for more information.			Daily 1300UTC-2300UTC. Aerodrome available for daylight operations and for emergency flights only. VFR flights only (Source: NOTAM). See Special Procedures column for more information.			CLOSED due to damage by hurricane since 04 September (Source: NOTAM). Airport is however clear from debris (Source: OCHA Flash Update N26 04 September 2019)			Available and functioning (Source: NOTAM). See Special Procedures column for more information.
Infrastructure	Electricity	YES	UNKNOWN	NO	YES	UNKNOWN	NO	YES	UNKNOWN	NO	
	Runways	2 Runways (06/27: 6275 x 150 ft, 14/33: 11983 x 150 ft). 1 runway active/operational, active RWY not suitable for A380. Second RWY under repair (Source: Nassau Flight Service General Manager via DPM). Overall conditions/suitable distances UNKNOWN.			1 runway (06/04), 13021 x 150 ft, overall conditions/suitable distances UNKNOWN.			1 runway (04/28), 6900 x 100 ft, overall conditions/suitable distances UNKNOWN.			
	Taxiways										
	Apron and Parking Areas										
	Air Traffic Control	OPERATIONAL	UNKNOWN	NON OPERATIONAL	OPERATIONAL	UNKNOWN	NON OPERATIONAL	OPERATIONAL	UNKNOWN	NON OPERATIONAL	





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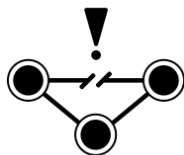
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Why Blockchain?

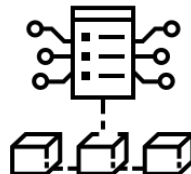
- Key advantages



Encryption /
Immutability and
Role-Based
Access Control



System Redundancy /
No Single Point of Failure

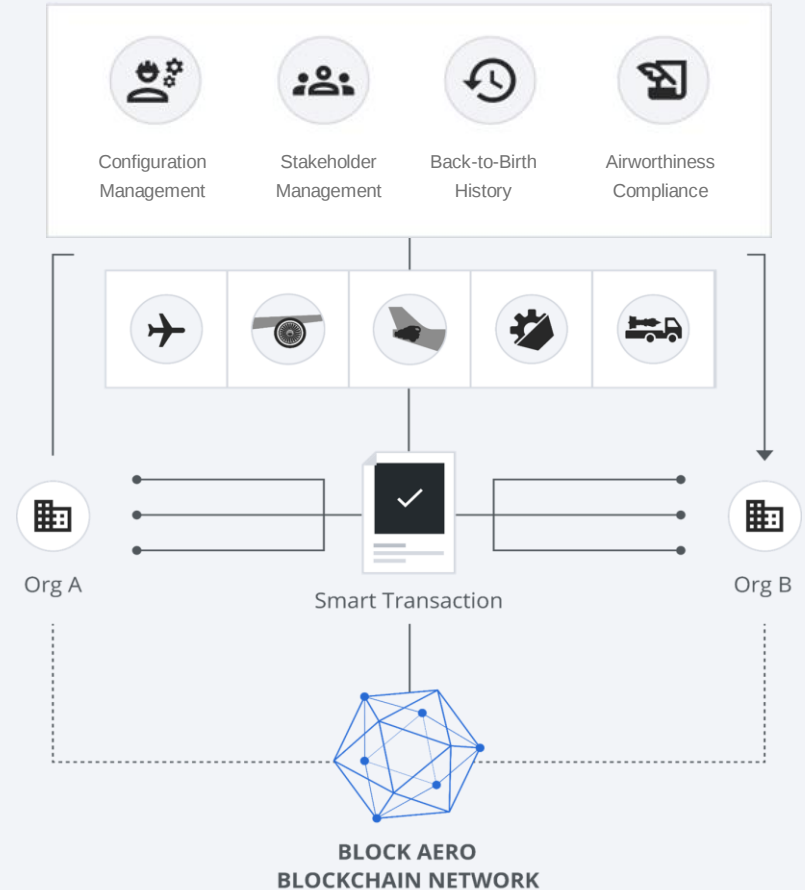


Data Process and
Reporting Standardization
and Automation

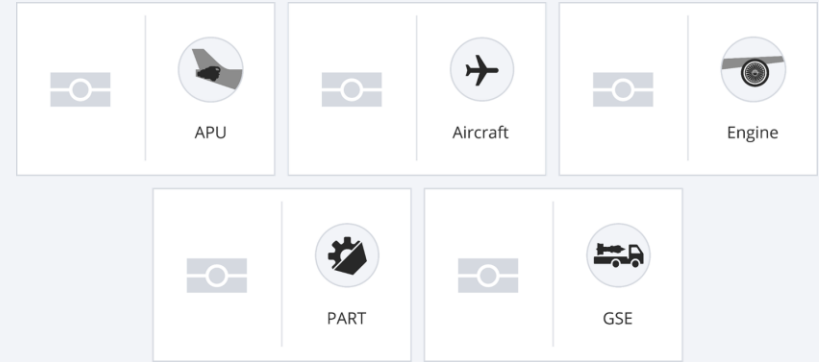


Multi-Stakeholder
Status
Management

Private Permissioned Blockchain



Create Digital Assets





Search Assets



Assets › APU - 3525



P/N 4500001C

S/N 3525

Model APS3200

TSN 18234
24 Feb 2023CSN 9343
24 Feb 2023TSR 0
10 Jun 2020CSR 0
10 Jun 2020Status INSTALLED
24 Feb 2023

TSO N/A

CSO N/A

Hours Remaining N/A
N/ACycles Remaining N/A
N/A

Date of Manf. N/A

A/C Reg. No. N/A

Installed On MSN - 30020B
24 Feb 2023Position N/A
24 Feb 2023

ATA N/A

OEM PRATT AND WHITNEY ...
15 Dec 2021Owner CAVU Aerospace Inc.
15 Dec 2021Operator N/A
N/AAsset Manager CAVU Aerospace Inc.
15 Dec 2021Technical Manager N/A
N/ACAMO N/A
N/A

Transactions

Back-to-Birth

Documents

Compliance

Configuration

Logistics

API Connect

APU - 3525



Add BTB Events

Events

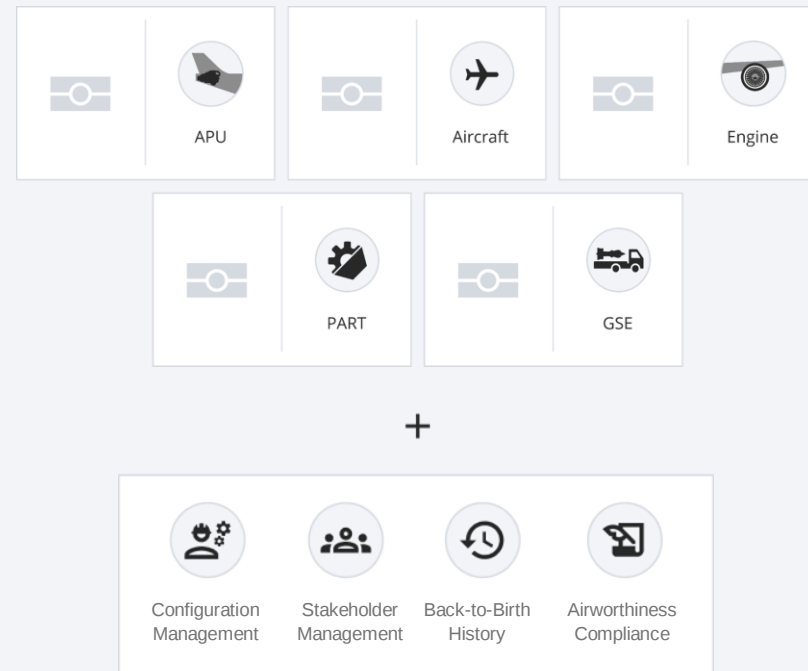
Engine / APU / Assembly Level

Aircraft Level

☐	Event Date ↓	Event Type	Description	Ref. Document	Serial Number	Model Number	TSN	CSN	Serial Number	Model Number	TSN
☒	Nov 3, 2022	Operation	INSPECTED	COC-cb776587-1df2-c	3525	APS3200	N/A	N/A	N/A	N/A	N/A
☒	Jun 10, 2020	Operation	REPAIRED	S000024874	3525	APS3200	10937	10854	N/A	N/A	N/A



Append Data Blocks





Search Assets



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Assets > APU - 3525

	TSN	18234	TSO	N/A	A/C Reg. No.	N/A	Owner	CAVU Aerospace Inc.
	24 Feb 2023		N/A		N/A		15 Dec 2021	
	CSN	9343	CSO	N/A	Installed On	MSN - 30020B	Operator	N/A
	24 Feb 2023		N/A		24 Feb 2023		N/A	
	TSR	0	Hours Remaining	N/A	Position	N/A	Asset Manager	CAVU Aerospace Inc.
P/N	4500001C		N/A		24 Feb 2023		15 Dec 2021	
S/N	3525		Cycles Remaining	N/A	ATA	N/A	Technical Manager	N/A
Model	APS3200		N/A		N/A		N/A	
Status	INSTALLED		Date of Manf.	N/A	OEM	PRATT AND WHITNEY ...	CAMO	N/A
24 Feb 2023					15 Dec 2021		N/A	

Transactions

Back-to-Birth

Documents

Compliance

Configuration

Logistics

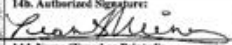
API Connect

All Document Type

Any date



								
Borescope Report	LLP Status	Airworthiness Data	LLP Status	Authorised Release...	LLP Status	Shop Report	Service Bulletin and...	Incident / Accident ...
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
74fe23b8fc2979ba...	13bc0dd316a5bd7...	9dcd7fd96248440...	3939bd83537c481...	ccb7908136fd721...	3939bd83537c481...	0b39f7dec673dab...	955f365e277761c...	00820f749ef0f231...
								

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: S000024874		
4. Organization Name and Address: TurbineAero Repair 50 South 56 th Street, Chandler, Arizona 85226 (VJUR367K)					5. Work Order/Contract/Invoice Number: N/A		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:		
1	APS3200	4500001C	1 ea.	3525	REPAIRED		
12. Remarks: Repaired, tested, and visually inspected I.A.W. APS3200 EM, Rev. 57, Document No. A320 EM, Manual Part Number 4510732, dated 29/APR/2019. No FAA Airworthiness Directive are applicable to this APU model. Incorporated service bulletin 4500001-49-91 Dated 14/OCT/2002. Refer to the shop visit report, logbook report and the life limited parts summary page for pertinent information. Refer to SRO# S000024874. TSN 10937:00 CSN 10,854 TSR 0:00 CSR 0 Unit preserved for longtime storage up to 18 months I.A.W. HSPS 490001 SPM Rev. 5, DATED 25/AUG/2015. Preservation valid until 10/DEC/2021. Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA 145 4948							
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:	
						VJUR367K	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):	
				Frank Meiner		10/JUN/2020	
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

Document ID

DOC-c2bb17d8-918c-416b-8d87-6f0efcf5334c

Document Type

Authorised Release Certificate

Assigned Assets: 1 asset



APU

APS3200

3525

Document Number

N/A

Revision Number

N/A

Revision Date

N/A

Cage Code

N/A

Issuer Organization

N/A

Submitted by

Todd Siena

Related Data Blocks: 1 Data Block

ARC-d1300856-1aae-2039-6a06-a88151e7a9a3

+ Add Data Block

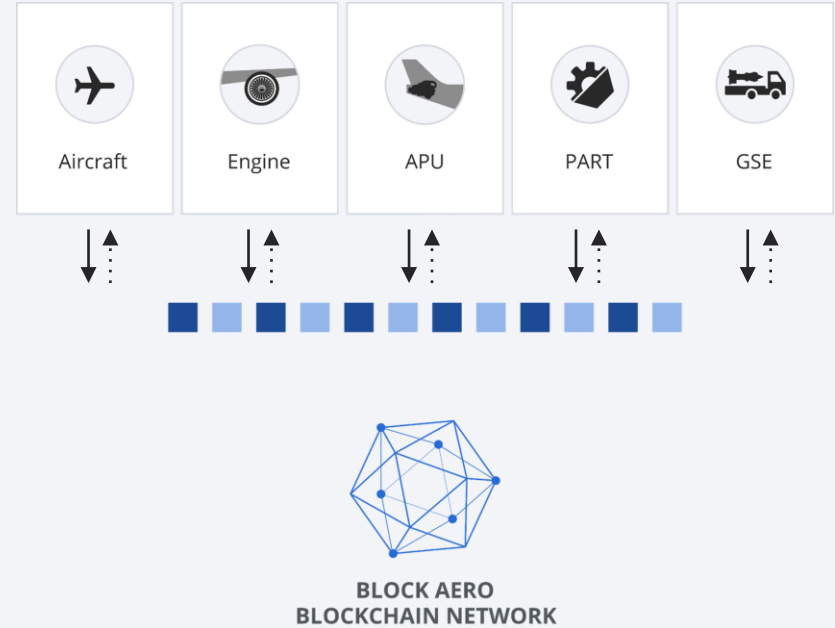
1. Approving Civil Aviation Authority/Country: FAA/United States	
4. Organization Name and Address: TurbineAero Repair 50 South 56 th Street, Chandler, AZ 85226	
6. Item:	7. Description:
1	APS3200
12. Remarks: Repaired, tested, and visually inspected. No FAA Airworthiness Directive Refer to the shop visit report, log TSN 10937:00 CSN 10,854. Turbine Unit preserved for longterm storage.	
Certifies that the work specified in block EASA Part-145 Approval Number: EASA-918c-416b-8d87-6f0efcf5334c	
13a. Certifies the items identified above	
☐ Approved design data and approved design data supplied	
13b. Authorized Signature:	
13d. Name (Typed or Printed):	
It is important to understand that the user/installer performs work specified in Block 1, it is essential that authority of the country specified in Block 1 is maintained.	
Statements in Blocks 13a and 14a do not constitute an approval in accordance with the national regulatory authority of the country of origin.	
FAA Form 8130-3 (02-14)	

ARC-d1300856-1aae-2039-6a06-a88151e7a9a3

×

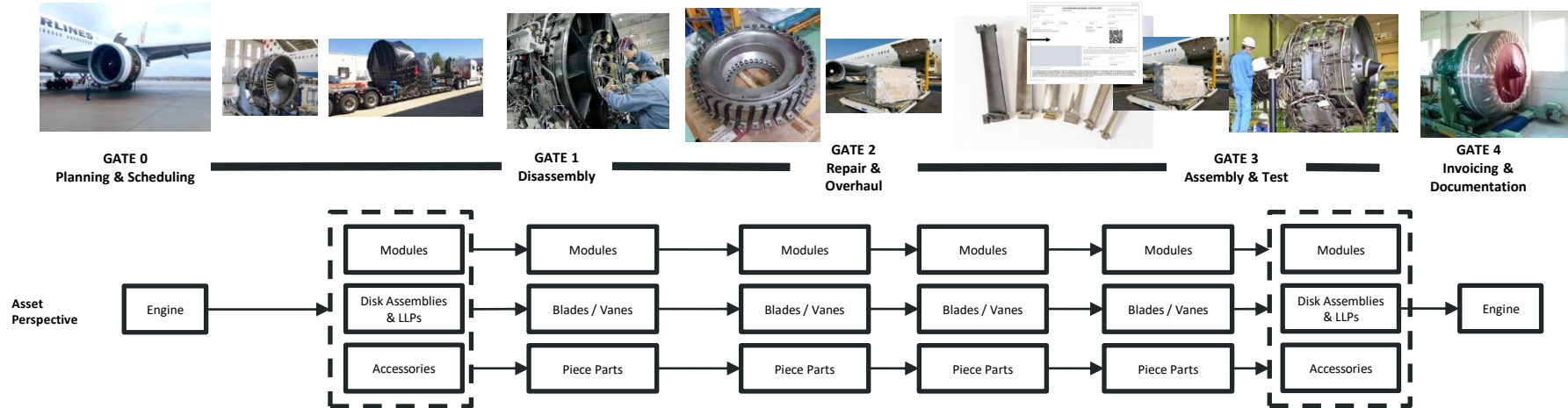
```
{
  "assetId": "BAA-2bdfd919-86d9-4b55-863e-d76143ee98e7",
  "block1": {
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    "regulatoryAuthority": "FAA"
  },
  "block10": {
    "partSerialNumber": "3525"
  },
  "block11": {
    "partStatusCode": "REPAIRED"
  },
  "block2": {
    "certificateType": "FAA Form 8130-3"
  },
  "block3": {
    "certificateTrackingNumber": "5000024874"
  },
  "block4": {
    "issuerDetail": {
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        "addressLine": [
          "50 South 56th Street",
          ""
        ],
        "city": "Chandler",
        "countryCode": "USA",
        "postalCode": "85226",
        "stateProvince": "Arizona"
      },
      "companyNameAndAddress": "TurbineAero Repair, 50 South 56th Street, , Chandler, Arizona, 85226, USA",
      "supplierCode": "no-data"
    }
  }
}
```

Collaborate with Ecosystem



Step 3: Achieve Digital Transformation in Your Desired Use-Case

- Supply-Chain Management
- Asset Management
- Humanitarian Use-Case → Airport Status Reports during Emergencies





A Quick Tour of the Tool



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A Quick Tour of the Tool

Two Approaches on Each Type of Scenario

- Scenario 1: Slow Onset
 - Still rapidly Evolving
 - More demanding test of baseline flow
 - More closely following script
- Scenario 2: Rapid Onset
 - Strive to assess matching of ASIT with State emergency management communication protocols
 - Free play / sandbox



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A Quick Tour of the Tool

ASIT Information Management Flows

- Direct Method with CAA on ASIT
- Indirect Method with RO Coordination
- Automated Method with ICAO API Service



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A Quick Tour of the Tool

- Organizational Roles

- Aerodrome (CAA)
- ANSP (CAA)
- ICAO RO

Search Assets

Map

Google Keyboard shortcuts Map Data Terms of use

Status Runways Focal Points Documents NOTAMS

Status List

Operational Status

- Operational Status
 - Air Traffic Control
 - Electricity
 - Aircraft Fuel
 - Generator Fuel
 - Motor Vehicle Fuel
 - Security
 - Ground Handling

Runways

- 10
- 10/28

Special Procedures

- Slot Allocation
- Prior Permission

Status Details

Operational Status

Aerodrome Status

Instructions

Status Block Chain

Endorse Status?

You're about to endorse status updates. This action will add a new entry to the Status Block Chain.

Operation Status: ● Operational

Source: NOTAM

Forecast Condition: → N/A

Forecast Time (hours): N/A

Remarks: PIARCO MORNE CATHERINE SSR U/S DUE MAINT. CREATED: 27 Feb 2023 14:10:00 SOURCE: TTPPYNX

Submitted by: ICAO API (International Civil Aviation Organization)

Submitted at: Feb 27, 2023 3:00 pm

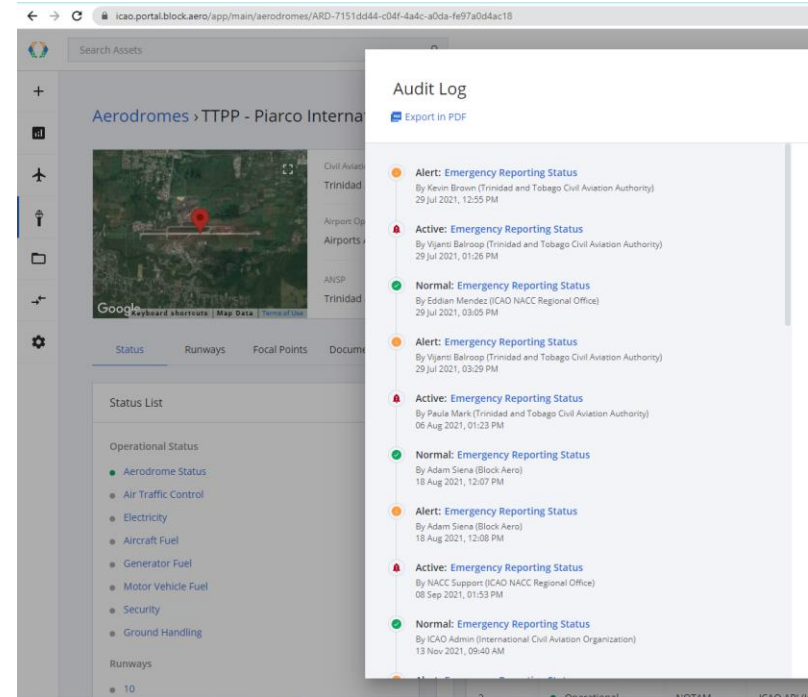
Cancel Endorse

R...	Operation Status	Source	Submitted By	Date and Time
1	● Operational	NOTAM	ICAO API (Internation	27 Feb 2023, 3:00 pm
2	● Operational	NOTAM	ICAO API (Internation	27 Feb 2023, 2:00 pm
3	● Operational	NOTAM	ICAO API (Internation	21 Feb 2023, 4:00 am

Air Traffic Control ● Unknown

A Quick Tour of the Tool

- Simulation Participant Roles
 - Facilitator
 - ASIT App Operator
 - Focal Point Role Players
 - Observers





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ASIT in Practice as a Sim Exercise

- Each Turn
 - Scenario Setting
 - Information Brief
 - Action
 - Discovery



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Scenario 1 / Turn 2

Description

- On April 7th 2021, ICAO NACC Regional Office, Eastern Caribbean (E/CAR) States, receive news from UWISRC that volcanic eruption is imminent within next 48 hours.
- ECCAA **decides** to delegate coordination role to Trinidad and Tobago CAA in the event of eruption.
- ICAO NACC Regional Office and Eastern Caribbean (E/CAR) States make decision to change disaster status threat to **Active** to appropriate airports.





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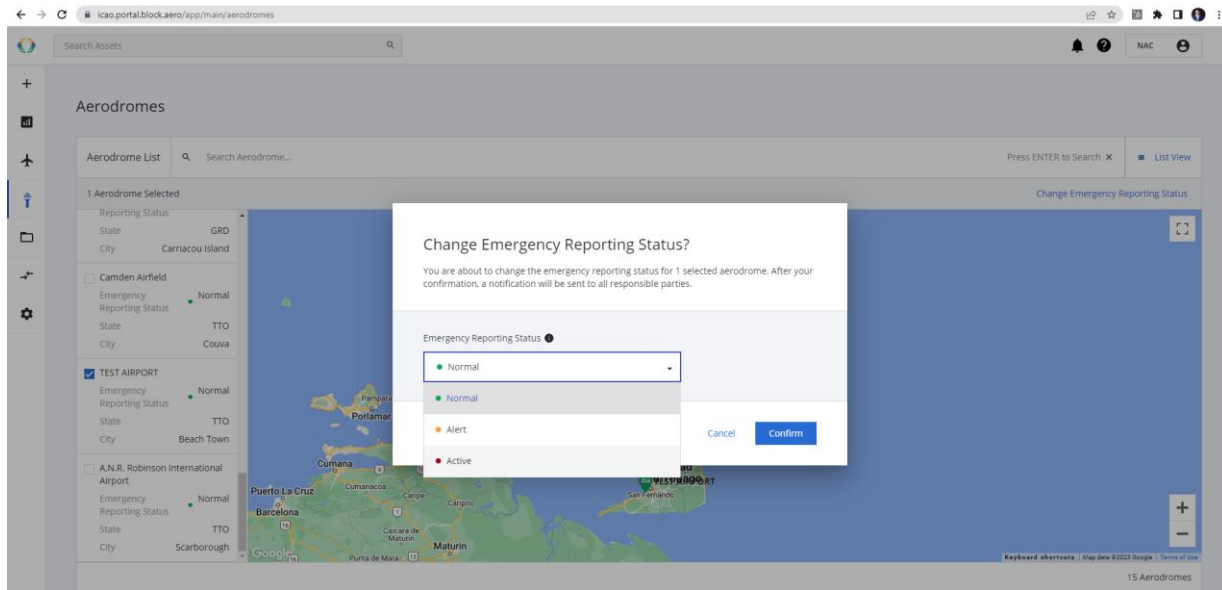


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ASIT in Practice as a Sim Exercise

Description SOTO

- A Hurricane is approaching
- TTCAA and NACC decide to set disaster status for TEST airport to 'active'





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Action

- Set active disaster threat status at TEST
- Make sure focal points are up-to-date



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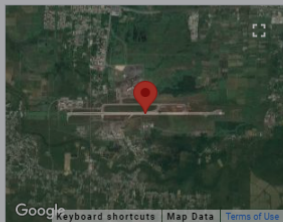
icao.portal.block.aero/app/main/aerodromes/ARD-7151dd44-c04f-4a4c-a0da-fe97a0d4ac18

Search Assets

Aerodromes > TTPP - Piarco International Airport

Send ASR

Change Emergency Reporting Status



Civil Aviation Authority
N/A

Location

Piarco, Trinidad & Tobago

FIR Code

TTZP

Airport Operator
Airports Authority of Trin

ANSP
Trinidad and Tobago Civil

Status

Runways

Focal Points

Documents

NOTA

Focal Points List

Search Focal points...

1 Focal Point Selected

	Service Agency	Contact Title
☒	Air traffic control units	Manager Air
☐	Aerodrome administration	Unit Chief Ae
☐	Air traffic control units	Unit Chief AC
☐	Air traffic control units	Air Traffic Co

Add Focal Point

Please notice that focal points list can be viewed by all member organizations of the network.

Service Agency

Air traffic control units

Airport Status Type

Select

Contact Name

Manager Air Traffic Services and ANS Safety

Contact Title

Alexis Brathwaite

Contact Number

18686205969

Contact Email

abrathwaite@caa.gov.tt

Cancel

Save Focal Point

Audit Log

- Operational: Aerodrome Status**
By ICAO API (International Civil Aviation Organization)
27 Feb 2023, 02:30 PM
- Operational: Aerodrome Status**
By ICAO API (International Civil Aviation Organization)
27 Feb 2023, 02:00 PM

View All

+ Add Focal Point

Delete

Email

Airport Status Type

ate@caa.gov.tt

@caa.gov.tt

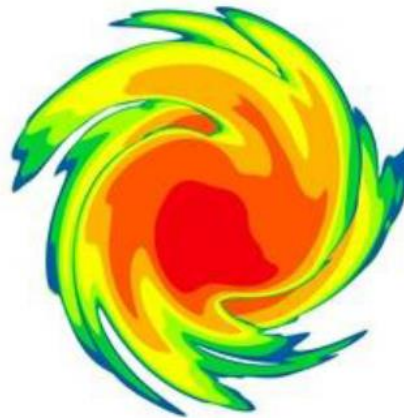
@caa.gov.tt

@caa.gov.tt

4 Focal Points

Description S0T1

- A Hurricane has hit TEST airport





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Action

- Please read the briefs for your team
- Clarify the situation at TEST airport with ASIT

 ICAO UNITING AVIATION

NO COUNTRY LEFT BEHIND 

ASIT Tool Simulation Exercise

SIMULATION INFORMATION BRIEF

You have no internet!

Clarify the operational status of TTPP if the RO is able to make contact with you.

1. TTAA informed you emergency generators and aircraft refueling equipment have been damaged by hailstones from the volcano.
2. Grid power is browning out and the airport generators need to be activated.
3. TTAA informed you that only 1 of the backup generators is still operational. The generator fuel depot is not affected.
4. There are security staff onsite and the situation is not escalating.
5. Ground handling is out of service and mainly focused on helping repair GSE equipment.
6. Ashfall has clogged filters and short-circuited ground handling equipment. Now, only 1 of 4 K-loaders are currently available.
7. The water system shut down due to the heavy ashfall and is making it difficult to repair equipment. In about 12 hours several large water tanker trucks are scheduled to arrive at POS to aid in the cleanup.



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Search Assets



NAC



Trinidad and Tobago Civil Aviation Authority

POS

Operational

[View All](#)

Status

Runways

Focal Points

Documents

NOTAMS

Status List

Operational Status

- Aerodrome Status
- Air Traffic Control
- Electricity
- Aircraft Fuel
- Generator Fuel
- Motor Vehicle Fuel
- Security
- Ground Handling

Runways

- 10
- 10/28

Special Procedures

- Slot Allocation
- Prior Permission

Add Aerodrome Status

Please provide the latest available information on aerodrome. This update will be added to the Status Block Chain.

Operation Status

Select

Source

Select

Forecast Condition - Optional

Select

Forecast Time - Optional

Select

Remarks - Optional

Enter

[Cancel](#)

Submit

[Collapse All](#)

[Show Details](#)



[+ Add Status Block](#)

Date and Time

27 Feb 2023, 3:00 pm

27 Feb 2023, 2:00 pm

21 Feb 2023, 4:00 am

3 Status Blocks

Air Traffic Control ● Unknown

Electricity ● Unknown

Aircraft Fuel ● Unknown



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Search Assets



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Operational Status

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Runways

- 10
- 10/28

Special Procedures

- Slot Allocation
- Prior Permission

Add Aerodrome Status

Please provide the latest available information on aerodrome. This update will be added to the Status Block Chain.

Operation Status

● Limited

Source

Civil Aviation Authority

Forecast Condition - Optional

↘ Deteriorating ×

Forecast Time - Optional

Next 12 hours ×

Remarks - Optional

Heavy ashfall is expected to hit the aerodrome imminently

[Cancel](#)

[Submit](#)

[Collapse All](#)

[Show Details](#)

1

[+ Add Status Block](#)

Date and Time

27 Feb 2023, 3:00 pm

27 Feb 2023, 2:00 pm

21 Feb 2023, 4:00 am

3 Status Blocks

Air Traffic Control ● Unknown

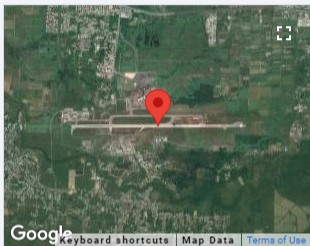
Electricity ● Unknown

Aircraft Fuel ● Unknown

Aerodromes > TTPP - Piarco International Airport

[Send ASR](#)

[Change Emergency Reporting Status](#)



Civil Aviation Authority	Location	FIR Code
Trinidad and Tobago Civil Aviation Authority	Piarco, Trinidad & Tobago	TTZP
Airport Operator	ICAO RO	Emergency Reporting Status
Airports Authority of Trinidad and Tobago	ICAO NACC Regional Office	● Active
ANSP	IATA Code	Aerodrome Status
Trinidad and Tobago Civil Aviation Authority	POS	● Operational

Audit Log

- Operational: Aerodrome Status**
By ICAO API (International Civil Aviation Organization)
27 Feb 2023, 03:00 PM
- Operational: Aerodrome Status**
By ICAO API (International Civil Aviation Organization)
27 Feb 2023, 02:00 PM

[View All](#)

Status Runways Focal Points Documents NOTAMS

All Document Type

Any date



ASR
18 Nov 2022
e3b0c44298fc1c14...



ASR
01 Jul 2022
bcfe2205aace6479...



ASR
29 Jun 2022
deec694d6bcd68...



ASR
28 Jun 2022
aa880a84f6b2c2f4...



ASR
28 Jun 2022
cc8b5975005945c...



ASR
28 Jun 2022
b5e990a3ce8e25e...



ASR
21 Jun 2022
ce7914c51ab1e03...



ASR
21 Jun 2022
762fe40c2ea7d2e...



ASR
21 Jun 2022
8338b1170c29708...

Description S0T2

- In the aftermath, CAA is having difficulty to access the ASIT tool





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Action

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 ICAO UNITING AVIATION

NO COUNTRY LEFT BEHIND 

ASIT Tool Simulation Exercise

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7. The water system shut down due to the heavy ashfall and is making it difficult to repair equipment. In about 12 hours several large water tanker trucks are scheduled to arrive at POS to aid in the cleanup.



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← → ↻

ica.portal.block.aero/app/main/aerodromes/ARD-7151dd44-c04f-4a4c-a0da-fe97a0d4ac18

+

Google

Keyboard shortcuts | Map Data | Terms of Use

Airport Operator

Airports Authority of Trinidad and Tobago

ICAO RO

ICAO NACC Regional Office

Emergency Reporting Status

Active

ANSP

Trinidad and Tobago Civil Aviation Authority

IATA Code

POS

Aerodrome Status

Operational

Status

Runways

Focal Points

Documents

NOTAMs

Status List

Operational Status

Aerodrome Status

Air Traffic Control

Electricity

Aircraft Fuel

Generator Fuel

Motor Vehicle Fuel

Security

Ground Handling

Runways

10

10/28

Special Procedures

Slot Allocation

Prior Permission

Status Details

Operational Status

Aerodrome Status

Operational

Instructions to complete status updates

Status Block Chain

R... ↓

Operation Status

1

Operational

NOTAM

ICAO API (International Civil Aviation Organization)

27 Feb 2023, 3:00 pm

2

Operational

NOTAM

ICAO API (International Civil Aviation Organization)

27 Feb 2023, 2:00 pm

3

Operational

NOTAM

ICAO API (International Civil Aviation Organization)

21 Feb 2023, 4:00 am

Air Traffic Control

Unknown

Endorse Status?

You're about to endorse status updates. This action will add a new entry to the Status Block Chain.

Operation Status

Operational

Source

NOTAM

Forecast Condition

N/A

Forecast Time (hours)

N/A

Remarks

PIARCO MORNE CATHERINE SSR U/S DUE MAINT. CREATED: 27 Feb 2023 14:10:00 SOURCE: TTPPYNYX

Submitted by

ICAO API (International Civil Aviation Organization)

Submitted at

Feb 27, 2023 3:00 pm

Cancel

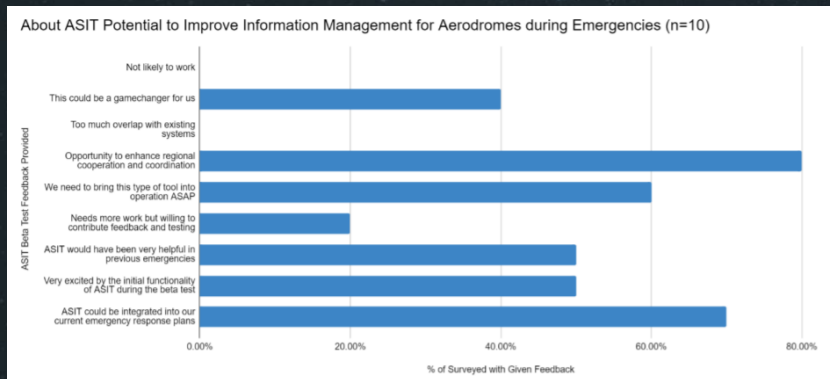
Endorse



How to Get Started TODAY

Survey on ASIT benefits for Information Management at Airports

- Opportunity to enhance regional cooperation and coordination
- ASIT could be integrated into our current emergency response plans
- Could be a gamechanger





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ASIT Solution Value

- New tool implemented with blockchain + API + cloud technology:
 - Automated API data feed to report
 - Standardized reporting format
 - Standardized reporting process
 - Known sources
 - Version control and traceability
 - Validation by state authorities
 - Immutable record of events
 - Analytics for continuous improvement of emergency information management

The screenshot displays the ASIT solution interface for TTPP - Piarco International Airport. The main section, titled 'Airport Status Overview', provides a detailed view of the airport's operational status as of 18 Nov 2022, 02:05 PM UTC. The interface is divided into several sections:

- Operational Status:** A table listing various airport services and their current status.
- Runways:** A table showing the status of the airport's runways.
- Special Procedures:** A table detailing specific procedures and their requirements.

Operational Status	
Aerodrome Status	Limited
Air Traffic Control	Limited
Electricity	Limited
Aircraft Fuel	Operational
Generator Fuel	Operational
Motor Vehicle Fuel	Not Operational
Security	Unknown
Ground Handling	Unknown

Runways	
Runway -10	Unknown
Runway -10/28	Unknown

Special Procedures	
Slot Allocation	Required
Prior Permission	Unknown

The interface also includes a sidebar on the right with 'Document Details' and a top navigation bar with a search icon and a 'Document Details' link.



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How to Continuously Improve ASIT

For example:

- Operational Status Types
 - What about water facilities? Storage facilities?
 - X is unclear because it might cause Y
 - ABC could be helpful, if it included XYZ
- Documents
 - What about grid maps?
 - What about emergency plans?
- ASRs
 - I would like to see X, Y, and Z
 - Because it would help me A, B, C

Airport Situation Report

TTTP - Piarco International Airport
Piarco, , Trinidad & Tobago

Revision Date: 29 Jun 2022, 10:15 GMT



Aerodrome Name
Piarco International Airport

ICAO Code
TTTP

CAA
Trinidad and Tobago Civil Aviation Authority

ICAO RO
ICAO NACC Regional Office

Airport Operator
Airports Authority of Trinidad and Tobago

Disaster Threat Status
• Normal

ANSP
Trinidad and Tobago Civil Aviation Authority

Aerodrome Status
• Operational

Location
Piarco, , Trinidad & Tobago

FIR Code
TTTP

Aerodrome ID
[ABD-7151d44-c04f-4a4c-a0da-fe97a0d4ac18](#)

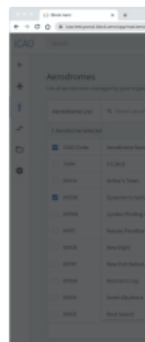


Airport Status Overview | TTTP - Piarco International Airport

< 1/16 >

29 Jun 2022, 10:15 GMT

Step 3: A popup will open and you "Confirm".



Field Name

Disaster Threat Status

By changing the disaster threat

- Aerodromes will start to receive runways, and special procedures

By changing the disaster threat

- Aerodromes will start to receive runways, and special procedures
- Begin generating ASR report
- Send information requests to

By changing the disaster threat status to "Normal":

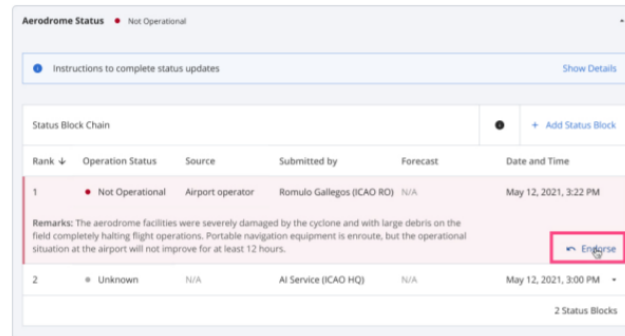
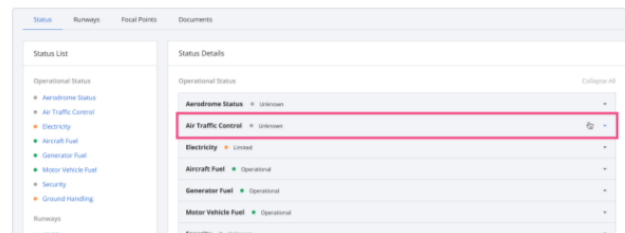
- Aerodromes will cease receiving automatic data feeds and no longer generate new ASRs.

1 ICAO AI Services will result in all status lists having a nearly real-time update status (15 mins).

5.3 Endorsing a Status update

Status blocks on the chain of updates, whether from an automated source or manually entered can be endorsed by a user from the CAA or RO.

Step 1: Expand the status that you would like to update and click on "Endorse".



Status Endorsement

Let's start a conversation and schedule your first ASIT demo

✉ cdamar@icao.int

✉ todd.siena@block.aero



← SCAN TO ADD ME



x



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