



ICAO

International Civil Aviation Organization

**THE ELEVENTH MEETING OF SYSTEM WIDE
INFORMATION MANAGEMENT TASK FORCE
(SWIM TF/11)**

Bangkok, Thailand, 25 – 29 May 2026

Agenda Item 4: Updates on progress and issues under the SWIM TF Task groups structure

- c) Technical architecture
 - Task 4: Development and Maintenance of Regional Information Exchange Models

ATFM FIXM MESSAGE AND ASSOCIATED MESSAGE TEMPLATES BASED ON FIXM VERSION 4.3

(Presented by Singapore and Thailand)

SUMMARY

This paper presents the work on development of ATFM FIXM message and associated message templates based on FIXM version 4.3 to support cross-border ATFM operations, A-CDM, ATFM/A-CDM integration, and traffic synchronization in SWIM environment in Asia/Pacific region.

1. INTRODUCTION

1.1 The Asia/Pacific Regional Framework for Collaborative Air Traffic Flow Management (ATFM), version 4, identified FIXM version 4.2 (or later), extended where necessary, as the agreed information exchange model for ATFM data exchange between ATFM systems in the Asia/Pacific region.

1.2 With the introduction of Flight and Flow Information for a Collaborative Environment Release 1 (FF-ICE/R1) and following the recommendation of the ICAO ATM Requirements and Performance Panel (ATMRPP) to use FIXM version 4.3 for the FF-ICE/R1 services implementation, FIXM version 4.3 was formalized as the regionally agreed information exchange model for information exchange between operational ATFM systems. This was agreed at ATFM/SG/14 and ATFM/SG/12 and subsequently endorsed by APANPIRG/35 through its *Conclusion APANPIRG/35/4*.

1.3 In support of cross-border ATFM operations and ATFM/A-CDM integration, successive regional FIXM Extension was developed collaboratively by the ATFM SG and the SWIM Task Force (SWIM TF) and adopted by APANPIRG/36 through its *Conclusion APANPIRG/36/12*. This provides the foundation for related developments to support harmonised implementation of cross-border ATFM operations, A-CDM, ATFM/A-CDM integration, and traffic synchronization in a SWIM environment in the Asia/Pacific region.

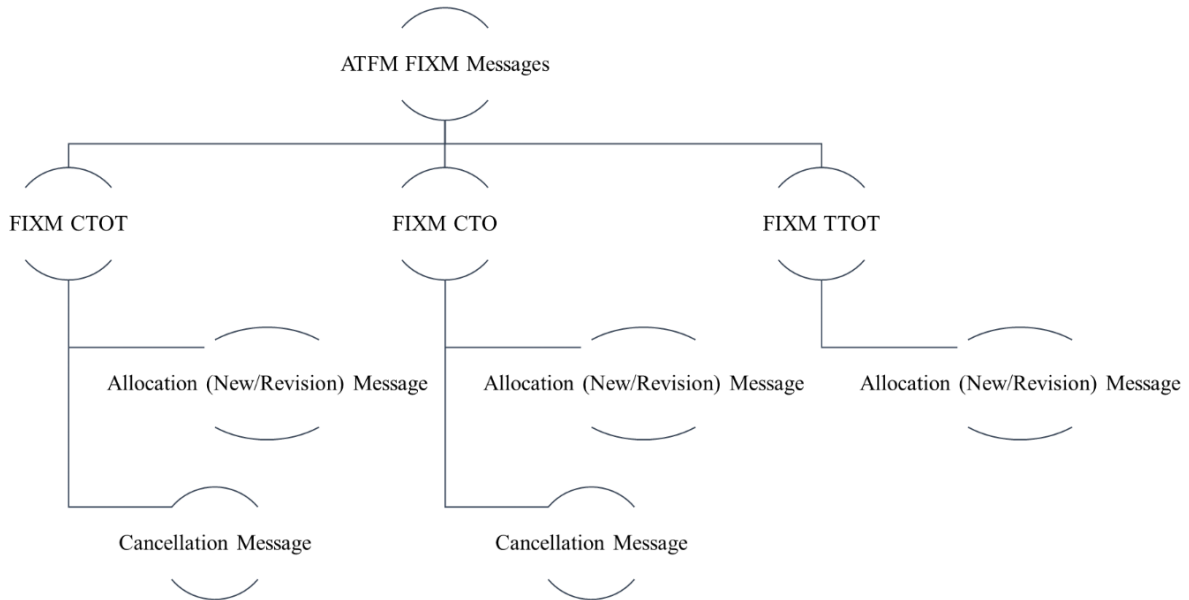
1.4 In line with *Conclusion APANPIRG/35/4* and to ensure readiness of the implementation of ATFM FIXM information exchange, the Technical Sub-Group (TSG) of the Asia-Pacific Cross-Border Multi-Nodal ATFM Collaboration (AMNAC), in collaboration with members of the SWIM TF, identified the ATFM FIXM message data attributes, mapped them to the FIXM version 4.3 Core and

Extension, and developed the associated message templates. This work was presented to the ATFM & A-CDM SG/16 through WP-6b-02 in April 2026. Consequently, the ATFM & A-CDM SG/16 agreed, through its *Draft Conclusion ATFM & A-CDM/SG/16-6*, to the adoption of the identified ATFM FIXM message data attributes, mapping, and the associated message templates, based on FIXM version 4.3, as regional standard templates effective Q1/2027.

2. DISCUSSION

2.1 As presented to the ATFM & A-CDM SG/16, the TSG identified the set of ATFM FIXM messages to be exchanged, as follows:

- 2.1.1 “FIXM_CTOT_ALLOCATION” for the exchange of information on newly allocated or revised CTOT;
- 2.1.2 “FIXM_CTOT_CANCELLATION” for the exchange of information on CTOT cancellation;
- 2.1.3 “FIXM_CTO_ALLOCATION” for the exchange of information on newly allocated or revised CTO;
- 2.1.4 “FIXM_CTO_CANCELLATION” for the exchange of information on CTO cancellation; and
- 2.1.5 “FIXM_TTOT_ALLOCATION” for the exchange of information on TTOT.



2.2 The TSG identified the data attributes required for these messages, taking into account alignment with the Asia/Pacific Region AFTN/AMHS-Based Interface Control Document (ICD) for Air Traffic Flow Management. For ease of reference, **Appendix A**, reproduced from Appendix A of ATFM & A-CDM SG/16 – WP-6b-02, provides the list of data attributes for the five identified ATFM FIXM messages. **Appendix B**, also reproduced from Appendix B of ATFM & A-CDM SG/16 – WP-6b-02, provides the mapping of data attributes to the FIXM version 4.3 Core and the APAC Extension.

2.3 Based on the identified data attributes and their mapping to the FIXM version 4.3, the TSG developed the associated ATFM FIXM message templates to support harmonised and automated message validation. After the ATFM & A-CDM SG/16, additional feedback on ATFM FIXM message templates was received, and the templates were updated accordingly. In May 2026, Singapore and Thailand successfully conducted the validation of the updated message templates, **Appendix C**. It is important to note that, with the updated message template scheme, the identified ATFM message data attributes and their mapping to the FIXM version 4.3 Core and the APAC Extension, as agreed by ATFM & A-CDM SG/16, remain unchanged.

2.4 As a next step, the TSG targets to develop or update ATFM systems capable of generating and processing these ATFM FIXM messages to support cross-broader ATFM information exchange via SWIM.

2.5 Under its Terms of Reference (TOR), the SWIM Task Force (SWIM TF) is required to support APANPIRG Working Groups and Task Forces regarding information exchange models and examine if any extension to the existing information exchange models, i.e. AIXM (Aeronautical Information Exchange Model), FIXM, and IWXXM (ICAO Meteorological Information Exchange Model), and/or the new information exchange model(s) are required for the Asia/Pacific regional operational requirements. As such, the updated ATFM FIXM message templates are proposed for SWIM TF’s review and agreement on the following *Draft Conclusion*.

Draft Conclusion SWIM/TF/11/12 – Asia/Pacific Regional ATFM FIXM version 4.3 Message Templates	
<p>What: The ATFM FIXM version 4.3 message templates described in SWIM/TF/11 WP/12 Appendix C be:</p> <ul style="list-style-type: none"> a) adopted as the Asia/Pacific ATFM FIXM version 4.3 message templates; b) uploaded to the ICAO Asia/Pacific Regional Office website for use by Asia/Pacific Administrations, to support cross-border ATFM operation, A-CDM, ATFM/A-CDM integration, and traffic synchronization. 	<p>Expected impact:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
<p>Why: To support harmonized and automated message validation for cross-border ATFM system-to-system data exchanges, in alignment with Conclusion APANPIRG/35/4 and Draft Conclusion ATFM & A-CDM/SG/16-6.</p>	<p>Follow-up: <input type="checkbox"/> Required from States</p>
<p>When: 29-May-26</p>	<p>Status: Draft to be adopted by PIRG</p>
<p>Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other: ATM/SG</p>	

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) review the ATFM message templates based on FIXM version 4.3 Core and Extension as shown in Appendix C;
- c) agree to the adoption of the ATFM FIXM message templates, based on FIXM version 4.3 Core and Extension, as regional standard templates; and
- d) discuss any relevant matter as appropriate

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Appendix A

ATFM Messaged Data Attributes

Data Field	Core/Ext	FIXM CTOT Allocation	FIXM CTOT Cancellation	FIXM CTO Allocation	FIXM CTO Cancellation	FIXM TTOT Allocation
GUFI	Core	Optional (FIXM/ eFPL)	Optional (FIXM/ eFPL)	Optional (FIXM/ eFPL)	Optional (FIXM/ eFPL)	Optional (FIXM/ eFPL)
ACID	Core	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
ADEP	Core	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
ADES	Core	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
EOBD	Core	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
EOBT	Core	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
CTOT	Core	Mandatory				
CTO	Core			Mandatory		
Flight Level	Core			Optional		
TaxiTime	Ext	Mandatory		Optional		
REGCAUSE	Ext	Mandatory		Mandatory		
REGUL	Ext	Optional		Optional		
REASON	Ext	Optional		Optional		
COMMENT	Ext	Optional		Optional		
TIBT	Ext					Optional
TOBT	Ext					Optional
TSAT	Ext					Optional
TTOT	Ext					Mandatory

Appendix B

ATFM Messaged Data Attributes Mapping based on FIXM version 4.3

Data Attributes	
CTOT	FlightType.routeTrajectoryGroup.negotiating.element.constraint.time.timeSpecification.timeValue = (CTOT) FlightType.routeTrajectoryGroup.negotiating.element.point4D.pointProperty.propertyType = WHEELS_OFF FlightType.routeTrajectoryGroup.negotiating.element.elementStartPoint.aerodromReferencePoint.locationIndicator = FlightType.departure.aerodrome.locationIndicator
CTO	FlightType.routeTrajectoryGroup.negotiating.element.constraint.time.timeSpecification.timeValue = (CTO) FlightType.routeTrajectoryGroup.negotiating.element.elementStartPoint = (point at which CTO is specified)
Flight Level (FL)	FlightType.routeTrajectoryGroup.negotiating.element.constraint.level.level.flightLevel = (FL at the constraint point)
TaxiTime	FlightType.departure.extension.taxiTime = (TaxiTime)
REGCAUSE	
- ATFM Measure Code	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.regulationCause.atfmMeasureCode = (ATFM Measure Code)
- ATFM Measure Location	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.regulationCause.atfmMeasureLocation = (ATFM Measure Location)
- IATA Delay Code	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.regulationCause.iataDelayCode = (IATA Delay Code)
REGUL	4 char = constraint area; 5 char = constraint location; 5 char = DDDMM; 2 char = version number
- Effective Date	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.regulationId.effectiveDate = (Effective Date)
- Version	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.regulationId.version = (Version)
- Constraint Area	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.regulationId.constraintArea = (Constraint Area)
- Constraint Location	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.regulationId.constraintLocation = (Constraint Location)
REASON	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.reason = (REASON)
COMMENT	FlightType.routeTrajectoryGroup.negotiating.element.constraint.extension.comment = (COMMENT)
TTOT	FlightType.departure.extension.targetTakeOffTime = (TTOT)

Data Attributes	
EOBT	FlightType.departure.estimatedOffBlockTime = (EOBT)
ETO	FlightType.routeTrajectoryGroup.desired.element.point4D.time = (ETO) FlightType.routeTrajectoryGroup.desired.element.elementStartPoint = (point at which ETO is specified)
ELDT	FlightType.routeTrajectoryGroup.desired.element.point4D.time = (ELDT) FlightType.routeTrajectoryGroup.desired.element.point4D.pointProperty.propertyType = WHEELS_ON

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	FlightType.routeTrajectoryGroup.desired.element.elementStartPoint.aerodromReferencePoint.locationIndicator = FlightType.arrival.destinationAerodrome.locationIndicator
EIBT	FlightType.routeTrajectoryGroup.desired.element.point4D.time = (EIBT) FlightType.routeTrajectoryGroup.desired.element.point4D.pointProperty.propertyType = IN_BLOCKS FlightType.routeTrajectoryGroup.desired.element.elementStartPoint.aerodromReferencePoint.locationIndicator = FlightType.arrival.destinationAerodrome.locationIndicator
CLDT	FlightType.routeTrajectoryGroup.negotiating.element.constraint.time.timeSpecification.timeValue = (CLDT) FlightType.routeTrajectoryGroup.negotiating.element.point4D.pointProperty.propertyType = WHEELS_ON FlightType.routeTrajectoryGroup.negotiating.element.elementStartPoint.aerodromReferencePoint.locationIndicator = FlightType.arrival.destinationAerodrome.locationIndicator

Appendix C

ATFM Messages Templates based on FIXM version 4.3

Filename: /ApacAtfmAcdmMessage.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3"
elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>Define the metadata of information to be used for exchange ATFM and A-CDM in APAC region</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="../../core/flight/Flight.xsd"/>
  <xs:element name="ApacAtfmAcdmMessage" type="apacatfmacdm:ApacAtfmAcdmMessageType">
    <xs:annotation>
      <xs:documentation>This ApacAtfmAcdmMessage element is the entry point to the APAC ATFM A-CDM
application.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:simpleType name="ApacAtfmAcdmMessageTypeType">
    <xs:annotation>
      <xs:documentation>The list of available APAC ATFM A-CDM message type.</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:enumeration value="FIXM_CTO_ALLOCATION"/>
      <xs:enumeration value="FIXM_CTO_CANCELLATION"/>
      <xs:enumeration value="FIXM_CTOT_ALLOCATION"/>
      <xs:enumeration value="FIXM_CTOT_CANCELLATION"/>
      <xs:enumeration value="FIXM_TTOT_ALLOCATION"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="ApacAtfmAcdmMessageType">
    <xs:annotation>
      <xs:documentation>The message for delivering ATFM A-CDM information.</xs:documentation>
    </xs:annotation>
  </xs:complexType>
</xs:schema>
```

```
<xs:sequence>
  <xs:element name="type" type="apacatfmacdm:ApacAtfmAcdmMessageTypeType" minOccurs="0" maxOccurs="1"/>
  <xs:element name="flight" type="fx:FlightType" minOccurs="0" maxOccurs="1"/>
</xs:sequence>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/ApacAtfmAcdmApacExtension.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/ext/apac/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apac="http://www.fixm.aero/ext/apac/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>Helper schema intended to gather all APAC ATFM A-CDM template schemas for the APAC Extension package
namespace into a single import.</xs:documentation>
  </xs:annotation>
  <xs:include schemaLocation="./calculatedTakeOffTimeAllocation/apacextension/ApacAtfmAcdmCtotAllocation_ApacExtension.xsd"/>
  <xs:include schemaLocation="./calculatedTimeOverAllocation/apacextension/ApacAtfmAcdmCtoAllocation_ApacExtension.xsd"/>
  <xs:include schemaLocation="./targetTakeOffTimeAllocation/apacextension/ApacAtfmAcdmTtotAllocation_ApacExtension.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/ApacAtfmAcdmBase.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/base/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>Helper schema intended to gather all APAC ATFM A-CDM template schemas for the Base package namespace into a
single import.</xs:documentation>
  </xs:annotation>
  <xs:include schemaLocation="./calculatedTakeOffTimeAllocation/base/ApacAtfmAcdmCtotAllocation_Base.xsd"/>
  <xs:include schemaLocation="./calculatedTimeOverAllocation/base/ApacAtfmAcdmCtoAllocation_Base.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/ApacAtfmAcdmFlight.xsd

```
<?xml version="1.0" encoding="utf-8"?>
```

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```
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>Helper schema intended to gather all APAC ATFM A-CDM template schemas for the Flight package namespace into a
single import.</xs:documentation>
  </xs:annotation>
  <xs:include schemaLocation="./calculatedTakeOffTimeAllocation/flight/ApacAtfmAcdmCtotAllocation_Flight.xsd"/>
  <xs:include schemaLocation="./calculatedTakeOffTimeCancellation/flight/ApacAtfmAcdmCtotCancellation_Flight.xsd"/>
  <xs:include schemaLocation="./calculatedTimeOverAllocation/flight/ApacAtfmAcdmCtoAllocation_Flight.xsd"/>
  <xs:include schemaLocation="./calculatedTimeOverCancellation/flight/ApacAtfmAcdmCtoCancellation_Flight.xsd"/>
  <xs:include schemaLocation="./targetTakeOffTimeAllocation/flight/ApacAtfmAcdmTtotAllocation_Flight.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/ApacAtfmAcdmMessageTemplates.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:apac="http://www.fixm.aero/ext/apac/4.3"
xmlns:fb="http://www.fixm.aero/base/4.3" xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>APAC ATFM A-CDM Message Templates</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="./ApacAtfmAcdmBase.xsd"/>
  <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="./ApacAtfmAcdmFlight.xsd"/>
  <xs:import namespace="http://www.fixm.aero/ext/apac/4.3" schemaLocation="./ApacAtfmAcdmApacExtension.xsd"/>
  <xs:include
schemaLocation="./calculatedTakeOffTimeAllocation/apacatfmacdmmessage/ApacAtfmAcdmCtotAllocation_ApacAtfmAcdmMessage.xsd"/>
  <xs:include
schemaLocation="./calculatedTakeOffTimeCancellation/apacatfmacdmmessage/ApacAtfmAcdmCtotCancellation_ApacAtfmAcdmMessage.xsd"/>
  <xs:include
schemaLocation="./calculatedTimeOverAllocation/apacatfmacdmmessage/ApacAtfmAcdmCtoAllocation_ApacAtfmAcdmMessage.xsd"/>
  <xs:include
schemaLocation="./calculatedTimeOverCancellation/apacatfmacdmmessage/ApacAtfmAcdmCtoCancellation_ApacAtfmAcdmMessage.xsd"/>
  <xs:include
schemaLocation="./targetTakeOffTimeAllocation/apacatfmacdmmessage/ApacAtfmAcdmTtotAllocation_ApacAtfmAcdmMessage.xsd"/>
</xs:schema>
```

Filename:

/apacatfmacdmmessage/templates/calculatedTakeOffTimeAllocation/apacatfmacdmmessage/ApacAtfmAcdmCtotAllocation_ApacAtfmAcdmMessage.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified"
version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Allocation message template for the ApacAtfmAcdmMessage
package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="../flight/ApacAtfmAcdmCtotAllocation_Flight.xsd"/>
  <xs:include schemaLocation="../../ApacAtfmAcdmMessage.xsd"/>
  <xs:simpleType name="ApacAtfmAcdmCtotAllocation_ApacAtfmAcdmMessageTypeType">
    <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageTypeType">
      <xs:enumeration value="FIXM_CTOT_ALLOCATION"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="ApacAtfmAcdmCtotAllocation_ApacAtfmAcdmMessageType">
    <xs:complexContent>
      <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageType">
        <xs:sequence>
          <xs:element name="type"
type="apacatfmacdm:ApacAtfmAcdmCtotAllocation_ApacAtfmAcdmMessageTypeType" minOccurs="1" maxOccurs="1"/>
          <xs:element name="flight" type="fx:ApacAtfmAcdmCtotAllocation_FlightType" minOccurs="1" maxOccurs="1"/>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTakeOffTimeAllocation/apacextension/ApacAtfmAcdmCtotAllocation_ApacExtension.xsd

```
<?xml version="1.0" encoding="utf-8"?>
```

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```
<xs:schema targetNamespace="http://www.fixm.aero/ext/apac/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apac="http://www.fixm.aero/ext/apac/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Allocation message for the ApacExtension package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../extensions/apac/Apac.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtotAllocation_ApacDepartureType">
    <xs:complexContent>
      <xs:restriction base="apac:ApacDepartureType">
        <xs:sequence>
          <xs:element name="taxiTime" type="fb:DurationType" minOccurs="1" maxOccurs="1"/>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="ApacAtfmAcdmCtotAllocation_ApacRouteTrajectoryConstraintType">
    <xs:complexContent>
      <xs:restriction base="apac:ApacRouteTrajectoryConstraintType">
        <xs:sequence>
          <xs:element name="comment" type="fb:CharacterStringType" minOccurs="0" maxOccurs="1"/>
          <xs:element name="reason" type="fb:CharacterStringType" minOccurs="0" maxOccurs="1"/>
          <xs:element name="regulationCause" type="apac:ApacRegulationCauseType" minOccurs="1" maxOccurs="1"/>
          <xs:element name="regulationId" type="apac:ApacRegulationIdType" minOccurs="0" maxOccurs="2000"/>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTakeOffTimeAllocation/base/ApacAtfmAcdmCtotAllocation_Base.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/base/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
```

```
<xs:documentation>A Calculated Take-Off Time Allocation message template for the Base package.</xs:documentation>
</xs:annotation>
<xs:include schemaLocation="../../../core/base/Base.xsd"/>
<xs:include schemaLocation="/ApacAtfmAcadmCtotAllocation_RangesAndChoices.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTakeOffTimeAllocation/base/ApacAtfmAcadmCtotAllocation_RangesAndChoices.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/base/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>This package contains combinations and choices comprised of various measure elements.</xs:documentation>
  </xs:annotation>
  <xs:include schemaLocation="../../../core/base/Types.xsd"/>
  <xs:include schemaLocation="../../../core/base/RangesAndChoices.xsd"/>
  <xs:complexType name="ApacAtfmAcadmCtotAllocation_TimeChoiceType">
    <xs:complexContent>
      <xs:restriction base="fb:TimeChoiceType">
        <xs:choice>
          <xs:element name="value" type="fb:DateTimeUtcType" minOccurs="1" maxOccurs="1">
            <xs:annotation>
              <xs:documentation>A specific time value.</xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:choice>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTakeOffTimeAllocation/CalculatedTakeOffTimeAllocation.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3"
xmlns:apac="http://www.fixm.aero/ext/apac/4.3" elementFormDefault="qualified" version="1.0.0">
```

```
<xs:annotation>
  <xs:documentation>A Calculated Take-Off Time Allocation message template.</xs:documentation>
</xs:annotation>
<xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="./base/ApacAtfmAcdmCtotAllocation_Base.xsd"/>
<xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="./flight/ApacAtfmAcdmCtotAllocation_Flight.xsd"/>
<xs:import namespace="http://www.fixm.aero/ext/apac/4.3"
schemaLocation="./apacextension/ApacAtfmAcdmCtotAllocation_ApacExtension.xsd"/>
  <xs:include schemaLocation="./apacatfmacdmmessage/ApacAtfmAcdmCtotAllocation_ApacAtfmAcdmMessage.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTakeOffTimeAllocation/flight/ApacAtfmAcdmCtotAllocation_Flight.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Allocation message for the Flight package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="./flightdata/ApacAtfmAcdmCtotAllocation_FlightData.xsd"/>
  <xs:include schemaLocation="./departure/ApacAtfmAcdmCtotAllocation_Departure.xsd"/>
  <xs:include schemaLocation="./arrival/ApacAtfmAcdmCtotAllocation_Arrival.xsd"/>
  <xs:include schemaLocation="./flightroutetrajectory/ApacAtfmAcdmCtotAllocation_FlightRouteTrajectory.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTakeOffTimeAllocation/flight/arrival/ApacAtfmAcdmCtotAllocation_Arrival.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Allocation message Arrival template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../core/flight/arrival/Arrival.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtotAllocation_ArrivalType">
    <xs:complexContent>
```

```
<xs:restriction base="fx:ArrivalType">
  <xs:sequence>
    <xs:element name="destinationAerodrome" type="fb:AerodromeReferenceType" minOccurs="1" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>The aerodrome of intended landing. [ICAO Doc 4444 - extracted from the
definition of Destination Alternate]
This is the aerodrome at which the flight is scheduled to arrive. [FIXM]</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTakeOffTimeAllocation/flight/departure/ApacAtfmAcdmCtotAllocation_Departure.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Allocation message Departure template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../core/flight/departure/Departure.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtotAllocation_DepartureType">
    <xs:complexContent>
      <xs:restriction base="fx:DepartureType">
        <xs:sequence>
          <xs:choice minOccurs="1" maxOccurs="1">
            <xs:element name="departureAerodrome" type="fb:AerodromeReferenceType" minOccurs="1"
maxOccurs="1">
              <xs:annotation>
                <xs:documentation>The aerodrome from which the flight departs.
[FIXM]</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:choice>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```

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```

        </xs:element>
    </xs:choice>
    <xs:choice minOccurs="1" maxOccurs="1">
        <xs:element name="estimatedOffBlockTime" type="fb:DateTimeUtcType" minOccurs="1"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation>The estimated time at which the aircraft will commence movement
associated with departure. [ICAO Doc 4444]</xs:documentation>
            </xs:annotation>
        </xs:element>
    </xs:choice>
    <xs:element name="extension" type="fb:DepartureExtensionType" minOccurs="1" maxOccurs="1">
        <xs:annotation>
            <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
        </xs:annotation>
    </xs:element>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTakeOffTimeAllocation/flight/flightdata/ApacAtfmAcdmCtotAllocation_FlightData.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
    <xs:annotation>
        <xs:documentation>A Calculated Take-Off Time Allocation message FlightData template.</xs:documentation>
    </xs:annotation>
    <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../../../core/base/Base.xsd"/>
    <xs:include schemaLocation="../flightroutetrajectory/ApacAtfmAcdmCtotAllocation_RouteTrajectory.xsd"/>
    <xs:include schemaLocation="../arrival/ApacAtfmAcdmCtotAllocation_Arrival.xsd"/>
    <xs:include schemaLocation="../departure/ApacAtfmAcdmCtotAllocation_Departure.xsd"/>
    <xs:include schemaLocation="../../../../../../../../core/flight/flightdata/FlightData.xsd"/>
```

```
<xs:complexType name="ApacAtfmAcadmCtotAllocation_FlightType">
  <xs:complexContent>
    <xs:restriction base="fx:FlightType">
      <xs:sequence>
        <xs:element name="arrival" type="fx:ApacAtfmAcadmCtotAllocation_ArrivalType" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="departure" type="fx:ApacAtfmAcadmCtotAllocation_DepartureType" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="flightIdentification" type="fx:ApacAtfmAcadmCtotAllocation_FlightIdentificationType"
minOccurs="1" maxOccurs="1"/>
        <xs:element name="routeTrajectoryGroup"
type="fx:ApacAtfmAcadmCtotAllocation_RouteTrajectoryGroupContainerType" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcadmCtotAllocation_FlightIdentificationType">
  <xs:complexContent>
    <xs:restriction base="fx:FlightIdentificationType">
      <xs:sequence>
        <xs:element name="aircraftIdentification" type="fb:AircraftIdentificationType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>A group of letters, figures or a combination thereof which is either identical to,
or the coded equivalent of, the aircraft call sign to be used in air-ground communications, and which is used to identify the aircraft in ground-ground air
traffic services communications. [ICAO Doc 4444]</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:choice minOccurs="0" maxOccurs="1">
          <xs:element name="gufi" type="fb:GloballyUniqueFlightIdentifierType" minOccurs="1" maxOccurs="1">
            <xs:annotation>
              <xs:documentation>A single reference for FF-ICE information pertinent to a flight that is
unique globally. [ICAO Doc 9965]
This is a reference that uniquely identifies a specific flight and is independent of any particular system. [FIXM]</xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:choice>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
```

```

                </xs:choice>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtotAllocation_RouteTrajectoryGroupContainerType">
    <xs:complexContent>
        <xs:restriction base="fx:RouteTrajectoryGroupContainerType">
            <xs:sequence>
                <xs:element name="negotiating" type="fx:ApacAtfmAcdmCtot_RouteTrajectoryGroupType" minOccurs="1"
maxOccurs="1"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTakeOffTimeAllocation/flight/flightroutetrajectory/ApacAtfmAcdmCtotAllocation_Constraints.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
    <xs:annotation>
        <xs:documentation>A Calculated Take-Off Time Allocation message Constraint template.</xs:documentation>
    </xs:annotation>
    <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../base/ApacAtfmAcdmCtotAllocation_Base.xsd"/>
    <xs:include schemaLocation="../../../../../../core/flight/flightroutetrajectory/Constraints.xsd"/>
    <xs:complexType name="ApacAtfmAcdmCtotAllocation_RouteTrajectoryConstraintType">
        <xs:complexContent>
            <xs:restriction base="fx:RouteTrajectoryConstraintType">
                <xs:sequence>
                    <xs:element name="extension" type="fb:RouteTrajectoryConstraintExtensionType" minOccurs="1"
maxOccurs="1">
                        <xs:annotation>
```

```

                                <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
                                </xs:annotation>
                                </xs:element>
                                <xs:element name="time" type="fx:ApacAtfmAcdmCtotAllocation_TimeConstraintType" minOccurs="1"
maxOccurs="1"/>
                                </xs:sequence>
                                </xs:restriction>
                                </xs:complexContent>
                                </xs:complexType>
                                <xs:complexType name="ApacAtfmAcdmCtotAllocation_TimeConstraintType">
                                <xs:complexContent>
                                <xs:restriction base="fx:TimeConstraintType">
                                <xs:sequence>
                                <xs:element name="timeSpecification" type="fb:ApacAtfmAcdmCtotAllocation_TimeChoiceType" minOccurs="1"
maxOccurs="1"/>
                                </xs:sequence>
                                </xs:restriction>
                                </xs:complexContent>
                                </xs:complexType>
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTakeOffTimeAllocation/flight/flightroutetrajectory/ApacAtfmAcdmCtotAllocation_FlightRouteTrajectory.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Allocation message FlightRouteTrajectory template.</xs:documentation>
  </xs:annotation>
  <xs:include schemaLocation="./ApacAtfmAcdmCtotAllocation_Constraints.xsd"/>
  <xs:include schemaLocation="./ApacAtfmAcdmCtotAllocation_RouteTrajectory.xsd"/>
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTakeOffTimeAllocation/flight/flightroutetrajectory/ApacAtfmAcdmCtotAllocation_RouteTrajectory.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Allocation message RouteTrajectory template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../base/ApacAtfmAcdmCtotAllocation_Base.xsd"/>
  <xs:include schemaLocation="ApacAtfmAcdmCtotAllocation_Constraints.xsd"/>
  <xs:include schemaLocation="../../../../../../core/flight/flightroutetrajectory/RouteTrajectory.xsd"/>
  <xs:simpleType name="ApacAtfmAcdmCtot_TrajectoryPointPropertyTypeType">
    <xs:restriction base="fx:TrajectoryPointPropertyTypeType">
      <xs:enumeration value="WHEELS_OFF"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="ApacAtfmAcdmCtot_RouteTrajectoryElementType">
    <xs:complexContent>
      <xs:restriction base="fx:RouteTrajectoryElementType">
        <xs:sequence>
          <xs:element name="constraint" type="fx:ApacAtfmAcdmCtotAllocation_RouteTrajectoryConstraintType"
minOccurs="1" maxOccurs="1"/>
          <xs:element name="elementStartPoint" type="fb:SignificantPointChoiceType" minOccurs="1" maxOccurs="1">
            <xs:annotation>
              <xs:documentation>A specified geographical location used in defining the flight route or expanded
route. [FIXM]</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="extension" type="fb:RouteTrajectoryElementExtensionType" minOccurs="0"
maxOccurs="2000" nillable="true">
            <xs:annotation>
              <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```

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```

                </xs:element>
                <xs:element name="point4D" type="fx:ApacAtfmAcadmCtot_TrajectoryPoint4DType" minOccurs="1"
maxOccurs="1"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcadmCtot_RouteTrajectoryGroupType">
    <xs:complexContent>
        <xs:restriction base="fx:RouteTrajectoryGroupType">
            <xs:sequence>
                <xs:element name="element" type="fx:ApacAtfmAcadmCtot_RouteTrajectoryElementType" minOccurs="1"
maxOccurs="1"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcadmCtot_TrajectoryPoint4DType">
    <xs:complexContent>
        <xs:restriction base="fx:TrajectoryPoint4DType">
            <xs:sequence>
                <xs:element name="pointProperty" type="fx:ApacAtfmAcadmCtot_TrajectoryPointPropertyType" minOccurs="1"
maxOccurs="2000"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcadmCtot_TrajectoryPointPropertyType">
    <xs:complexContent>
        <xs:restriction base="fx:TrajectoryPointPropertyType">
            <xs:sequence>
                <xs:element name="propertyType" type="fx:ApacAtfmAcadmCtot_TrajectoryPointPropertyTypeType"
minOccurs="1" maxOccurs="1"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>

```

```
</xs:complexContent>  
</xs:complexType>  
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTakeOffTimeCancellation/apacatfmacdmmessage/ApacAtfmAcdmCtotCancellation_ApacAtfmAcdmMessage.xsd

```
<?xml version="1.0" encoding="utf-8"?>  
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"  
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified"  
version="1.0.0">  
  <xs:annotation>  
    <xs:documentation>A Calculated Take-Off Time Cancellation message template for the ApacAtfmAcdmMessage  
package.</xs:documentation>  
  </xs:annotation>  
  <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="../flight/ApacAtfmAcdmCtotCancellation_Flight.xsd"/>  
  <xs:include schemaLocation="../../ApacAtfmAcdmMessage.xsd"/>  
  <xs:simpleType name="ApacAtfmAcdmCtotCancellation_ApacAtfmAcdmMessageTypeType">  
    <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageTypeType">  
      <xs:enumeration value="FIXM_CTOT_CANCELLATION"/>  
    </xs:restriction>  
  </xs:simpleType>  
  <xs:complexType name="ApacAtfmAcdmCtotCancellation_ApacAtfmAcdmMessageType">  
    <xs:complexContent>  
      <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageType">  
        <xs:sequence>  
          <xs:element name="type"  
type="apacatfmacdm:ApacAtfmAcdmCtotCancellation_ApacAtfmAcdmMessageTypeType" minOccurs="1" maxOccurs="1"/>  
          <xs:element name="flight" type="fx:ApacAtfmAcdmCtotCancellation_FlightType" minOccurs="1"  
maxOccurs="1"/>  
        </xs:sequence>  
      </xs:restriction>  
    </xs:complexContent>  
  </xs:complexType>  
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTakeOffTimeCancellation/CalculatedTakeOffTimeCancellation.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3"
xmlns:apac="http://www.fixm.aero/ext/apac/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Cancellation message template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="./flight/ApacAtfmAcdmCtotCancellation_Flight.xsd"/>
  <xs:include schemaLocation="./apacatfmacdmmessage/ApacAtfmAcdmCtotCancellation_ApacAtfmAcdmMessage.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTakeOffTimeCancellation/flight/ApacAtfmAcdmCtotCancellation_Flight.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Cancellation message for the Flight package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="./flightdata/ApacAtfmAcdmCtotCancellation_FlightData.xsd"/>
  <xs:include schemaLocation="./departure/ApacAtfmAcdmCtotCancellation_Departure.xsd"/>
  <xs:include schemaLocation="./arrival/ApacAtfmAcdmCtotCancellation_Arrival.xsd"/>
  <xs:include schemaLocation="./flighttroutetrajectory/ApacAtfmAcdmCtotCancellation_FlightRouteTrajectory.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTakeOffTimeCancellation/flight/arrival/ApacAtfmAcdmCtotCancellation_Arrival.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Cancellation message Arrival template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../core/base/Base.xsd"/>
```

```
<xs:include schemaLocation="../../../core/flight/arrival/Arrival.xsd"/>
<xs:complexType name="ApacAtfmAcdmCtotCancellation_ArrivalType">
  <xs:complexContent>
    <xs:restriction base="fx:ArrivalType">
      <xs:sequence>
        <xs:element name="destinationAerodrome" type="fb:AerodromeReferenceType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>The aerodrome of intended landing. [ICAO Doc 4444 - extracted from the
definition of Destination Alternate]
This is the aerodrome at which the flight is scheduled to arrive. [FIXM]</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTakeOffTimeCancellation/flight/departure/ApacAtfmAcdmCtotCancellation_Departure.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Cancellation message Departure template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../core/flight/departure/Departure.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtotCancellation_DepartureType">
    <xs:complexContent>
      <xs:restriction base="fx:DepartureType">
        <xs:sequence>
          <xs:choice minOccurs="1" maxOccurs="1">
            <xs:element name="departureAerodrome" type="fb:AerodromeReferenceType" minOccurs="1"
maxOccurs="1">
              <xs:annotation>
```

```
<xs:documentation>The aerodrome from which the flight departs.
[FXM]</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:choice>
<xs:choice minOccurs="1" maxOccurs="1">
  <xs:element name="estimatedOffBlockTime" type="fb:DateTimeUtcType" minOccurs="1"
maxOccurs="1">
    <xs:annotation>
      <xs:documentation>The estimated time at which the aircraft will commence movement
associated with departure. [ICAO Doc 4444]</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:choice>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTakeOffTimeCancellation/flight/flightdata/ApacAtfmAcdmCtotCancellation_FlightData.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Cancellation message FlightData template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="./flightroutetrajectory/ApacAtfmAcdmCtotCancellation_RouteTrajectory.xsd"/>
  <xs:include schemaLocation="./arrival/ApacAtfmAcdmCtotCancellation_Arrival.xsd"/>
  <xs:include schemaLocation="./departure/ApacAtfmAcdmCtotCancellation_Departure.xsd"/>
  <xs:include schemaLocation="../../../../../../../../core/flight/flightdata/FlightData.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtotCancellation_FlightType">
    <xs:complexContent>
      <xs:restriction base="fx:FlightType">
```

```

        <xs:sequence>
            <xs:element name="arrival" type="fx:ApacAtfmAcdmCtotCancellation_ArrivalType" minOccurs="1"
maxOccurs="1"/>
            <xs:element name="departure" type="fx:ApacAtfmAcdmCtotCancellation_DepartureType" minOccurs="1"
maxOccurs="1"/>
            <xs:element name="flightIdentification" type="fx:ApacAtfmAcdmCtotCancellation_FlightIdentificationType"
minOccurs="1" maxOccurs="1"/>
            <xs:element name="routeTrajectoryGroup"
type="fx:ApacAtfmAcdmCtotCancellation_RouteTrajectoryGroupContainerType" minOccurs="1" maxOccurs="1"/>
        </xs:sequence>
    </xs:restriction>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtotCancellation_FlightIdentificationType">
    <xs:complexContent>
        <xs:restriction base="fx:FlightIdentificationType">
            <xs:sequence>
                <xs:element name="aircraftIdentification" type="fb:AircraftIdentificationType" minOccurs="1" maxOccurs="1">
                    <xs:annotation>
                        <xs:documentation>A group of letters, figures or a combination thereof which is either identical to,
or the coded equivalent of, the aircraft call sign to be used in air-ground communications, and which is used to identify the aircraft in ground-ground air
traffic services communications. [ICAO Doc 4444]</xs:documentation>
                    </xs:annotation>
                </xs:element>
                <xs:choice minOccurs="0" maxOccurs="1">
                    <xs:element name="gufi" type="fb:GloballyUniqueFlightIdentifierType" minOccurs="1" maxOccurs="1">
                        <xs:annotation>
                            <xs:documentation>A single reference for FF-ICE information pertinent to a flight that is
unique globally. [ICAO Doc 9965]
This is a reference that uniquely identifies a specific flight and is independent of any particular system. [FIXM]</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                </xs:choice>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>

```

```
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtotCancellation_RouteTrajectoryGroupContainerType">
  <xs:complexContent>
    <xs:restriction base="fx:RouteTrajectoryGroupContainerType">
      <xs:sequence>
        <xs:element name="negotiating" type="fx:ApacAtfmAcdmCtotCancellation_RouteTrajectoryGroupType"
minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTakeOffTimeCancellation/flight/flightroutetrajectory/ApacAtfmAcdmCtotCancellation_FlightRouteTrajectory.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Cancellation message FlightRouteTrajectory template.</xs:documentation>
  </xs:annotation>
  <xs:include schemaLocation="./ApacAtfmAcdmCtotCancellation_RouteTrajectory.xsd"/>
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTakeOffTimeCancellation/flight/flightroutetrajectory/ApacAtfmAcdmCtotCancellation_RouteTrajectory.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Take-Off Time Cancellation message RouteTrajectory template.</xs:documentation>
  </xs:annotation>
```

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```
<xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
<xs:include schemaLocation="../../../../../../core/flight/flightroutetrajectory/RouteTrajectory.xsd"/>
<xs:simpleType name="ApacAtfmAcdmCtotCancellation_TrajectoryPointPropertyTypeType">
  <xs:restriction base="fx:TrajectoryPointPropertyTypeType">
    <xs:enumeration value="WHEELS_OFF"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="ApacAtfmAcdmCtotCancellation_RouteTrajectoryElementType">
  <xs:complexContent>
    <xs:restriction base="fx:RouteTrajectoryElementType">
      <xs:sequence>
        <xs:element name="elementStartPoint" type="fb:SignificantPointChoiceType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>A specified geographical location used in defining the flight route or expanded
route. [FIXM]</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="extension" type="fb:RouteTrajectoryElementExtensionType" minOccurs="0"
maxOccurs="2000" nillable="true">
          <xs:annotation>
            <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="point4D" type="fx:ApacAtfmAcdmCtotCancellation_TrajectoryPoint4DType" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtotCancellation_RouteTrajectoryGroupType">
  <xs:complexContent>
    <xs:restriction base="fx:RouteTrajectoryGroupType">
      <xs:sequence>
```

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```

                <xs:element name="element" type="fx:ApacAtfmAcadmCtotCancellation_RouteTrajectoryElementType"
minOccurs="1" maxOccurs="1"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcadmCtotCancellation_TrajectoryPoint4DType">
    <xs:complexContent>
        <xs:restriction base="fx:TrajectoryPoint4DType">
            <xs:sequence>
                <xs:element name="pointProperty" type="fx:ApacAtfmAcadmCtotCancellation_TrajectoryPointPropertyType"
minOccurs="1" maxOccurs="2000"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcadmCtotCancellation_TrajectoryPointPropertyType">
    <xs:complexContent>
        <xs:restriction base="fx:TrajectoryPointPropertyType">
            <xs:sequence>
                <xs:element name="propertyType" type="fx:ApacAtfmAcadmCtotCancellation_TrajectoryPointPropertyTypeType"
minOccurs="1" maxOccurs="1"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename:

/apacatfmacdmmessage/templates/calculatedTimeOverAllocation/apacatfmacdmmessage/ApacAtfmAcadmCtoAllocation_ApacAtfmAcadmMessage.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified"
version="1.0.0">
```

```
<xs:annotation>
  <xs:documentation>A Calculated Time Over Allocation message template for the ApacAtfmAcdmMessage package.</xs:documentation>
</xs:annotation>
<xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="../../flight/ApacAtfmAcdmCtoAllocation_Flight.xsd"/>
<xs:include schemaLocation="../../../../ApacAtfmAcdmMessage.xsd"/>
<xs:simpleType name="ApacAtfmAcdmCtoAllocation_ApacAtfmAcdmMessageTypeType">
  <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageTypeType">
    <xs:enumeration value="FIXM_CTO_ALLOCATION"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="ApacAtfmAcdmCtoAllocation_ApacAtfmAcdmMessageType">
  <xs:complexContent>
    <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageType">
      <xs:sequence>
        <xs:element name="type" type="apacatfmacdm:ApacAtfmAcdmCtoAllocation_ApacAtfmAcdmMessageTypeType"
minOccurs="1" maxOccurs="1"/>
        <xs:element name="flight" type="fx:ApacAtfmAcdmCtoAllocation_FlightType" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTimeOverAllocation/apacextension/ApacAtfmAcdmCtoAllocation_ApacExtension.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/ext/apac/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apac="http://www.fixm.aero/ext/apac/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Allocation message for the ApacExtension package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../extensions/apac/Apac.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtoAllocation_ApacDepartureType">
    <xs:complexContent>
      <xs:restriction base="apac:ApacDepartureType">
```

```
<xs:sequence>
  <xs:element name="taxiTime" type="fb:DurationType" minOccurs="1" maxOccurs="1"/>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtoAllocation_ApacRouteTrajectoryConstraintType">
  <xs:complexContent>
    <xs:restriction base="apac:ApacRouteTrajectoryConstraintType">
      <xs:sequence>
        <xs:element name="comment" type="fb:CharacterStringType" minOccurs="0" maxOccurs="1"/>
        <xs:element name="reason" type="fb:CharacterStringType" minOccurs="0" maxOccurs="1"/>
        <xs:element name="regulationCause" type="apac:ApacRegulationCauseType" minOccurs="1" maxOccurs="1"/>
        <xs:element name="regulationId" type="apac:ApacRegulationIdType" minOccurs="0" maxOccurs="2000"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTimeOverAllocation/base/ApacAtfmAcdmCtoAllocation_Base.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/base/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Allocation message template for the Base package.</xs:documentation>
  </xs:annotation>
  <xs:include schemaLocation="../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="./ApacAtfmAcdmCtoAllocation_RangesAndChoices.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTimeOverAllocation/base/ApacAtfmAcdmCtoAllocation_RangesAndChoices.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/base/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
```

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```
<xs:annotation>
  <xs:documentation>This package contains combinations and choices comprised of various measure elements.</xs:documentation>
</xs:annotation>
<xs:include schemaLocation="../../../../../../core/base/Types.xsd"/>
<xs:include schemaLocation="../../../../../../core/base/Measures.xsd"/>
<xs:include schemaLocation="../../../../../../core/base/RangesAndChoices.xsd"/>
<xs:complexType name="ApacAtfmAcdmCtoAllocation_FlightLevelOrAltitudeOrRangeChoiceType">
  <xs:complexContent>
    <xs:restriction base="fb:FlightLevelOrAltitudeOrRangeChoiceType">
      <xs:choice>
        <xs:element name="flightLevel" type="fb:FlightLevelType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>Flight Level specification.</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:choice>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtoAllocation_TimeChoiceType">
  <xs:complexContent>
    <xs:restriction base="fb:TimeChoiceType">
      <xs:choice>
        <xs:element name="value" type="fb:DateTimeUtcType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>A specific time value.</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:choice>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTimeOverAllocation/CalculatedTimeOverAllocation.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3"
xmlns:fb="http://www.fixm.aero/base/4.3">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Allocation message template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="./base/ApacAtfmAcdmCtoAllocation_Base.xsd"/>
  <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="./flight/ApacAtfmAcdmCtoAllocation_Flight.xsd"/>
  <xs:import namespace="http://www.fixm.aero/ext/apac/4.3"
schemaLocation="./apacextension/ApacAtfmAcdmCtoAllocation_ApacExtension.xsd"/>
  <xs:include schemaLocation="./apacatfmacdmmessage/ApacAtfmAcdmCtoAllocation_ApacAtfmAcdmMessage.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTimeOverAllocation/flight/ApacAtfmAcdmCtoAllocation_Flight.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Allocation message for the Flight package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="./flightdata/ApacAtfmAcdmCtoAllocation_FlightData.xsd"/>
  <xs:include schemaLocation="./departure/ApacAtfmAcdmCtoAllocation_Departure.xsd"/>
  <xs:include schemaLocation="./arrival/ApacAtfmAcdmCtoAllocation_Arrival.xsd"/>
  <xs:include schemaLocation="./flighttroutetrajectory/ApacAtfmAcdmCtoAllocation_FlightRouteTrajectory.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTimeOverAllocation/flight/arrival/ApacAtfmAcdmCtoAllocation_Arrival.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Allocation message Arrival template.</xs:documentation>
  </xs:annotation>
```

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```
<xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
<xs:include schemaLocation="../../../../../../core/flight/arrival/Arrival.xsd"/>
<xs:complexType name="ApacAtfmAcdmCtoAllocation_ArrivalType">
  <xs:complexContent>
    <xs:restriction base="fx:ArrivalType">
      <xs:sequence>
        <xs:element name="destinationAerodrome" type="fb:AerodromeReferenceType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>The aerodrome of intended landing. [ICAO Doc 4444 - extracted from the
definition of Destination Alternate]
This is the aerodrome at which the flight is scheduled to arrive. [FIXM]</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTimeOverAllocation/flight/departure/ApacAtfmAcdmCtoAllocation_Departure.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Allocation message Departure template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../core/flight/departure/Departure.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtoAllocation_DepartureType">
    <xs:complexContent>
      <xs:restriction base="fx:DepartureType">
        <xs:sequence>
          <xs:choice minOccurs="1" maxOccurs="1">
            <xs:element name="departureAerodrome" type="fb:AerodromeReferenceType" minOccurs="1"
maxOccurs="1">
```

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```

    <xs:annotation>
      <xs:documentation>The aerodrome from which the flight departs.
[FXM]</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:choice>
<xs:choice minOccurs="1" maxOccurs="1">
  <xs:element name="estimatedOffBlockTime" type="fb:DateTimeUtcType" minOccurs="1"
maxOccurs="1">
    <xs:annotation>
      <xs:documentation>The estimated time at which the aircraft will commence movement
associated with departure. [ICAO Doc 4444]</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:choice>
<xs:element name="extension" type="fb:DepartureExtensionType" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/calculatedTimeOverAllocation/flight/flightdata/ ApacAtfmAcadmCtoAllocation_FlightData.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Allocation message FlightData template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../../core/base/Base.xsd"/>
```

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```
<xs:include schemaLocation="../../../flightroutetrajectory/ApacAtfmAcadmCtoAllocation_RouteTrajectory.xsd"/>
<xs:include schemaLocation="../../../arrival/ApacAtfmAcadmCtoAllocation_Arrival.xsd"/>
<xs:include schemaLocation="../../../departure/ApacAtfmAcadmCtoAllocation_Departure.xsd"/>
<xs:include schemaLocation="../../../core/flight/flightdata/FlightData.xsd"/>
<xs:complexType name="ApacAtfmAcadmCtoAllocation_FlightType">
  <xs:complexContent>
    <xs:restriction base="fx:FlightType">
      <xs:sequence>
        <xs:element name="arrival" type="fx:ApacAtfmAcadmCtoAllocation_ArrivalType" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="departure" type="fx:ApacAtfmAcadmCtoAllocation_DepartureType" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="flightIdentification" type="fx:ApacAtfmAcadmCtoAllocation_FlightIdentificationType"
minOccurs="1" maxOccurs="1"/>
        <xs:element name="routeTrajectoryGroup"
type="fx:ApacAtfmAcadmCtoAllocation_RouteTrajectoryGroupContainerType" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcadmCtoAllocation_FlightIdentificationType">
  <xs:complexContent>
    <xs:restriction base="fx:FlightIdentificationType">
      <xs:sequence>
        <xs:element name="aircraftIdentification" type="fb:AircraftIdentificationType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>A group of letters, figures or a combination thereof which is either identical to,
or the coded equivalent of, the aircraft call sign to be used in air-ground communications, and which is used to identify the aircraft in ground-ground air
traffic services communications. [ICAO Doc 4444]</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:choice minOccurs="0" maxOccurs="1">
          <xs:element name="gufi" type="fb:GloballyUniqueFlightIdentifierType" minOccurs="1" maxOccurs="1">
            <xs:annotation>
```

<xs:documentation>A single reference for FF-ICE information pertinent to a flight that is unique globally. [ICAO Doc 9965]
This is a reference that uniquely identifies a specific flight and is independent of any particular system. [FIXM]</xs:documentation>

```
    </xs:annotation>
  </xs:element>
</xs:choice>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtoAllocation_RouteTrajectoryGroupContainerType">
  <xs:complexContent>
    <xs:restriction base="fx:RouteTrajectoryGroupContainerType">
      <xs:sequence>
        <xs:element name="negotiating" type="fx:ApacAtfmAcdmCtoAllocation_RouteTrajectoryGroupType"
minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTimeOverAllocation/flight/flightroutetrajectory/ApacAtfmAcdmCtoAllocation_Constraints.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Allocation message Constraint template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../base/ApacAtfmAcdmCtoAllocation_Base.xsd"/>
  <xs:include schemaLocation="../../../../../../core/flight/flightroutetrajectory/Constraints.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtoAllocation_LevelConstraintType">
    <xs:complexContent>
      <xs:restriction base="fx:LevelConstraintType">
```

```

                <xs:sequence>
                    <xs:element name="level" type="fb:ApacAtfmAcadmCtoAllocation_FlightLevelOrAltitudeOrRangeChoiceType"
minOccurs="1" maxOccurs="1"/>
                </xs:sequence>
            </xs:restriction>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ApacAtfmAcadmCtoAllocation_RouteTrajectoryConstraintType">
        <xs:complexContent>
            <xs:restriction base="fx:RouteTrajectoryConstraintType">
                <xs:sequence>
                    <xs:element name="extension" type="fb:RouteTrajectoryConstraintExtensionType" minOccurs="1" maxOccurs="1"
nillable="true">
                        <xs:annotation>
                            <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="level" type="fx:ApacAtfmAcadmCtoAllocation_LevelConstraintType" minOccurs="0"
maxOccurs="1"/>
                    <xs:element name="time" type="fx:ApacAtfmAcadmCtoAllocation_TimeConstraintType" minOccurs="1"
maxOccurs="1"/>
                </xs:sequence>
            </xs:restriction>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ApacAtfmAcadmCtoAllocation_TimeConstraintType">
        <xs:complexContent>
            <xs:restriction base="fx:TimeConstraintType">
                <xs:sequence>
                    <xs:element name="timeSpecification" type="fb:ApacAtfmAcadmCtoAllocation_TimeChoiceType" minOccurs="1"
maxOccurs="1"/>
                </xs:sequence>
            </xs:restriction>
        </xs:complexContent>
    </xs:complexType>

```

```
</xs:complexType>  
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTimeOverAllocation/flight/flightroutetrajectory/ApacAtfmAcdmCtoAllocation_FlightRouteTrajectory.xsd

```
<?xml version="1.0" encoding="utf-8"?>  
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"  
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">  
  <xs:annotation>  
    <xs:documentation>A Calculated Time Over Allocation message FlightRouteTrajectory template.</xs:documentation>  
  </xs:annotation>  
  <xs:include schemaLocation="./ApacAtfmAcdmCtoAllocation_Constraints.xsd"/>  
  <xs:include schemaLocation="./ApacAtfmAcdmCtoAllocation_RouteTrajectory.xsd"/>  
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTimeOverAllocation/flight/flightroutetrajectory/ApacAtfmAcdmCtoAllocation_RouteTrajectory.xsd

```
<?xml version="1.0" encoding="utf-8"?>  
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"  
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">  
  <xs:annotation>  
    <xs:documentation>A Calculated Time Over Allocation message RouteTrajectory template.</xs:documentation>  
  </xs:annotation>  
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../base/ApacAtfmAcdmCtoAllocation_Base.xsd"/>  
  <xs:include schemaLocation="ApacAtfmAcdmCtoAllocation_Constraints.xsd"/>  
  <xs:include schemaLocation="../../../../../core/flight/flightroutetrajectory/RouteTrajectory.xsd"/>  
  <xs:complexType name="ApacAtfmAcdmCtoAllocation_RouteTrajectoryElementType">  
    <xs:complexContent>  
      <xs:restriction base="fx:RouteTrajectoryElementType">  
        <xs:sequence>  
          <xs:element name="constraint" type="fx:ApacAtfmAcdmCtoAllocation_RouteTrajectoryConstraintType"  
minOccurs="1" maxOccurs="1"/>  
          <xs:element name="elementStartPoint" type="fb:SignificantPointChoiceType" minOccurs="1" maxOccurs="1">  
            <xs:annotation>
```

```

route. [FIXM]</xs:documentation>
    <xs:documentation>A specified geographical location used in defining the flight route or expanded
    </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="extension" type="fb:RouteTrajectoryElementExtensionType" minOccurs="0"
maxOccurs="2000" nillable="true">
    <xs:annotation>
      <xs:documentation>An extension hook for attaching extension (non-core)
    </xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtoAllocation_RouteTrajectoryGroupType">
  <xs:complexContent>
    <xs:restriction base="fx:RouteTrajectoryGroupType">
      <xs:sequence>
        <xs:element name="element" type="fx:ApacAtfmAcdmCtoAllocation_RouteTrajectoryElementType"
minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>

```

Filename:

/apacatfmacdmmessage/templates/calculatedTimeOverCancellation/apacatfmacdmmessage/ApacAtfmAcdmCtoCancellation_ApacAtfmAcdmMessage.xsd

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified"
version="1.0.0">
  <xs:annotation>

```

```
<xs:documentation>A Calculated Time Over Cancellation message template for the ApacAtfmAcdmMessage package.</xs:documentation>
</xs:annotation>
<xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="../flight/ApacAtfmAcdmCtoCancellation_Flight.xsd"/>
<xs:include schemaLocation="../../ApacAtfmAcdmMessage.xsd"/>
<xs:simpleType name="ApacAtfmAcdmCtoCancellation_ApacAtfmAcdmMessageTypeType">
  <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageTypeType">
    <xs:enumeration value="FIXM_CTO_CANCELLATION"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="ApacAtfmAcdmCtoCancellation_ApacAtfmAcdmMessageType">
  <xs:complexContent>
    <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageType">
      <xs:sequence>
        <xs:element name="type"
type="apacatfmacdm:ApacAtfmAcdmCtoCancellation_ApacAtfmAcdmMessageTypeType" minOccurs="1" maxOccurs="1"/>
        <xs:element name="flight" type="fx:ApacAtfmAcdmCtoCancellation_FlightType" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTimeOverCancellation/CalculatedTimeOverCancellation.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3"
xmlns:fb="http://www.fixm.aero/base/4.3">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Cancellation message template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="../flight/ApacAtfmAcdmCtoCancellation_Flight.xsd"/>
  <xs:include schemaLocation="../../apacatfmacdmmessage/ApacAtfmAcdmCtoCancellation_ApacAtfmAcdmMessage.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTimeOverCancellation/flight/ApacAtfmAcdmCtoCancellation_Flight.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Cancellation message for the Flight package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="./flightdata/ApacAtfmAcdmCtoCancellation_FlightData.xsd"/>
  <xs:include schemaLocation="./departure/ApacAtfmAcdmCtoCancellation_Departure.xsd"/>
  <xs:include schemaLocation="./arrival/ApacAtfmAcdmCtoCancellation_Arrival.xsd"/>
  <xs:include schemaLocation="./flighttroutetrajectory/ApacAtfmAcdmCtoCancellation_FlightRouteTrajectory.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTimeOverCancellation/flight/arrival/ApacAtfmAcdmCtoCancellation_Arrival.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Cancellation message Arrival template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../../../core/flight/arrival/Arrival.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtoCancellation_ArrivalType">
    <xs:complexContent>
      <xs:restriction base="fx:ArrivalType">
        <xs:sequence>
          <xs:element name="destinationAerodrome" type="fb:AerodromeReferenceType" minOccurs="1" maxOccurs="1">
            <xs:annotation>
              <xs:documentation>The aerodrome of intended landing. [ICAO Doc 4444 - extracted from the
definition of Destination Alternate]
This is the aerodrome at which the flight is scheduled to arrive. [FIXM]</xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
```

```
        </xs:restriction>
      </xs:complexContent>
    </xs:complexType>
  </xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTimeOverCancellation/flight/departure/ApacAtfmAcdmCtoCancellation_Departure.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Cancellation message Departure template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../../../core/flight/departure/Departure.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtoCancellation_DepartureType">
    <xs:complexContent>
      <xs:restriction base="fx:DepartureType">
        <xs:sequence>
          <xs:choice minOccurs="1" maxOccurs="1">
            <xs:element name="departureAerodrome" type="fb:AerodromeReferenceType" minOccurs="1"
maxOccurs="1">
              <xs:annotation>
                <xs:documentation>The aerodrome from which the flight departs.
[FXM]</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:choice>
          <xs:choice minOccurs="1" maxOccurs="1">
            <xs:element name="estimatedOffBlockTime" type="fb:DateTimeUtcType" minOccurs="1"
maxOccurs="1">
              <xs:annotation>
                <xs:documentation>The estimated time at which the aircraft will commence movement
associated with departure. [ICAO Doc 4444]</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:choice>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```

```
        </xs:choice>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/calculatedTimeOverCancellation/flight/flightdata/ApacAtfmAcdmCtoCancellation_FlightData.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Cancellation message FlightData template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../flightroutetrajectory/ApacAtfmAcdmCtoCancellation_RouteTrajectory.xsd"/>
  <xs:include schemaLocation="../../arrival/ApacAtfmAcdmCtoCancellation_Arrival.xsd"/>
  <xs:include schemaLocation="../../departure/ApacAtfmAcdmCtoCancellation_Departure.xsd"/>
  <xs:include schemaLocation="../../../../../../core/flight/flightdata/FlightData.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtoCancellation_FlightType">
    <xs:complexContent>
      <xs:restriction base="fx:FlightType">
        <xs:sequence>
          <xs:element name="arrival" type="fx:ApacAtfmAcdmCtoCancellation_ArrivalType" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="departure" type="fx:ApacAtfmAcdmCtoCancellation_DepartureType" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="flightIdentification" type="fx:ApacAtfmAcdmCtoCancellation_FlightIdentificationType"
minOccurs="1" maxOccurs="1"/>
          <xs:element name="routeTrajectoryGroup"
type="fx:ApacAtfmAcdmCtoCancellation_RouteTrajectoryGroupContainerType" minOccurs="1" maxOccurs="1"/>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
```

```

<xs:complexType name="ApacAtfmAcdmCtoCancellation_FlightIdentificationType">
  <xs:complexContent>
    <xs:restriction base="fx:FlightIdentificationType">
      <xs:sequence>
        <xs:element name="aircraftIdentification" type="fb:AircraftIdentificationType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>A group of letters, figures or a combination thereof which is either identical to,
or the coded equivalent of, the aircraft call sign to be used in air-ground communications, and which is used to identify the aircraft in ground-ground air
traffic services communications. [ICAO Doc 4444]</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:choice minOccurs="0" maxOccurs="1">
          <xs:element name="gufi" type="fb:GloballyUniqueFlightIdentifierType" minOccurs="1" maxOccurs="1">
            <xs:annotation>
              <xs:documentation>A single reference for FF-ICE information pertinent to a flight that is
unique globally. [ICAO Doc 9965]
This is a reference that uniquely identifies a specific flight and is independent of any particular system. [FIXM]</xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:choice>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtoCancellation_RouteTrajectoryGroupContainerType">
  <xs:complexContent>
    <xs:restriction base="fx:RouteTrajectoryGroupContainerType">
      <xs:sequence>
        <xs:element name="negotiating" type="fx:ApacAtfmAcdmCtoCancellation_RouteTrajectoryGroupType"
minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>

```

Filename:

/apacatfmacdmmessage templates/calculatedTimeOverCancellation/flight/flightroutetrajectory/ApacAtfmAcdmCtoCancellation_FlightRouteTrajectory.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Cancellation message FlightRouteTrajectory template.</xs:documentation>
  </xs:annotation>
  <xs:include schemaLocation="./ApacAtfmAcdmCtoCancellation_RouteTrajectory.xsd"/>
</xs:schema>
```

Filename:

/apacatfmacdmmessage templates/calculatedTimeOverCancellation/flight/flightroutetrajectory/ApacAtfmAcdmCtoCancellation_RouteTrajectory.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Calculated Time Over Cancellation message RouteTrajectory template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../../../core/flight/flightroutetrajectory/RouteTrajectory.xsd"/>
  <xs:complexType name="ApacAtfmAcdmCtoCancellation_RouteTrajectoryElementType">
    <xs:complexContent>
      <xs:restriction base="fx:RouteTrajectoryElementType">
        <xs:sequence>
          <xs:element name="elementStartPoint" type="fb:SignificantPointChoiceType" minOccurs="1" maxOccurs="1">
            <xs:annotation>
              <xs:documentation>A specified geographical location used in defining the flight route or expanded
route. [FIXM]</xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```

```

maxOccurs="2000" nillable="true">
    <xs:element name="extension" type="fb:RouteTrajectoryElementExtensionType" minOccurs="0"
    <xs:annotation>
        <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmCtoCancellation_RouteTrajectoryGroupType">
    <xs:complexContent>
        <xs:restriction base="fx:RouteTrajectoryGroupType">
            <xs:sequence>
                <xs:element name="element" type="fx:ApacAtfmAcdmCtoCancellation_RouteTrajectoryElementType"
minOccurs="1" maxOccurs="1"/>
            </xs:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>
</xs:schema>

```

Filename:

/apacatfmacdmmessage/templates/targetTakeOffTimeAllocation/apacatfmacdmmessage/ApacAtfmAcdmTtotAllocation_ApacAtfmAcdmMessage.xsd

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified"
version="1.0.0">
    <xs:annotation>
        <xs:documentation>A Target Take-Off Time Allocation message template for the ApacAtfmAcdmMessage package.</xs:documentation>
    </xs:annotation>
    <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="../../flight/ApacAtfmAcdmTtotAllocation_Flight.xsd"/>
    <xs:include schemaLocation="../../ApacAtfmAcdmMessage.xsd"/>

```

```
<xs:simpleType name="ApacAtfmAcdmTtotAllocation_ApacAtfmAcdmMessageTypeType">
  <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageTypeType">
    <xs:enumeration value="FIXM_TTOT_ALLOCATION"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="ApacAtfmAcdmTtotAllocation_ApacAtfmAcdmMessageType">
  <xs:complexContent>
    <xs:restriction base="apacatfmacdm:ApacAtfmAcdmMessageType">
      <xs:sequence>
        <xs:element name="type"
type="apacatfmacdm:ApacAtfmAcdmTtotAllocation_ApacAtfmAcdmMessageTypeType" minOccurs="1" maxOccurs="1"/>
        <xs:element name="flight" type="fx:ApacAtfmAcdmTtotAllocation_FlightType" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/targetTakeOffTimeAllocation/apacextension/ApacAtfmAcdmTtotAllocation_ApacExtension.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/ext/apac/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apac="http://www.fixm.aero/ext/apac/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Target Take-Off Time Allocation message for the ApacExtension package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../extensions/apac/Apac.xsd"/>
  <xs:complexType name="ApacAtfmAcdmTtotAllocation_ApacArrivalType">
    <xs:complexContent>
      <xs:restriction base="apac:ApacArrivalType">
        <xs:sequence>
          <xs:element name="targetInBlockTime" type="fb:DateTimeUtcType" minOccurs="1" maxOccurs="1"
nillable="true"/>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
```

```
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ApacAtfmAcdmTtotAllocation_ApacDepartureType">
  <xs:complexContent>
    <xs:restriction base="apac:ApacDepartureType">
      <xs:sequence>
        <xs:element name="targetOffBlockTime" type="fb:DateTimeUtcType" minOccurs="0" maxOccurs="1"/>
        <xs:element name="targetStartupApprovalTime" type="fb:DateTimeUtcType" minOccurs="0" maxOccurs="1"/>
        <xs:element name="targetTakeOffTime" type="fb:DateTimeUtcType" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/targetTakeOffTimeAllocation/flight/ApacAtfmAcdmTtotAllocation_Flight.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Target Take-Off Time Allocation message for the Flight package.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../flightdata/ApacAtfmAcdmTtotAllocation_FlightData.xsd"/>
  <xs:include schemaLocation="../../departure/ApacAtfmAcdmTtotAllocation_Departure.xsd"/>
  <xs:include schemaLocation="../../arrival/ApacAtfmAcdmTtotAllocation_Arrival.xsd"/>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/targetTakeOffTimeAllocation/flight/arrival/ApacAtfmAcdmTtotAllocation_Arrival.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Target Take-Off Time Allocation message Arrival template.</xs:documentation>
  </xs:annotation>
```

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```
<xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
<xs:include schemaLocation="../../../../../../core/flight/arrival/Arrival.xsd"/>
<xs:complexType name="ApacAtfmAcdmTtotAllocation_ArrivalType">
  <xs:complexContent>
    <xs:restriction base="fx:ArrivalType">
      <xs:sequence>
        <xs:element name="destinationAerodrome" type="fb:AerodromeReferenceType" minOccurs="1" maxOccurs="1">
          <xs:annotation>
            <xs:documentation>The aerodrome of intended landing. [ICAO Doc 4444 - extracted from the
definition of Destination Alternate]
This is the aerodrome at which the flight is scheduled to arrive. [FIXM]</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="extension" type="fb:ArrivalExtensionType" minOccurs="0" maxOccurs="1" nillable="true">
          <xs:annotation>
            <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage templates/targetTakeOffTimeAllocation/flight/departure/ApacAtfmAcdmTtotAllocation_Departure.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="1.0.0">
  <xs:annotation>
    <xs:documentation>A Target Take-Off Time Allocation message Departure template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="../../../../../../core/flight/departure/Departure.xsd"/>
  <xs:complexType name="ApacAtfmAcdmTtotAllocation_DepartureType">
```

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```
<xs:complexContent>
  <xs:restriction base="fx:DepartureType">
    <xs:sequence>
      <xs:choice minOccurs="1" maxOccurs="1">
        <xs:element name="departureAerodrome" type="fb:AerodromeReferenceType" minOccurs="1"
maxOccurs="1">
          <xs:annotation>
            <xs:documentation>The aerodrome from which the flight departs.
[FXM]</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:choice>
      <xs:choice minOccurs="1" maxOccurs="1">
        <xs:element name="estimatedOffBlockTime" type="fb:DateTimeUtcType" minOccurs="1"
maxOccurs="1">
          <xs:annotation>
            <xs:documentation>The estimated time at which the aircraft will commence movement
associated with departure. [ICAO Doc 4444]</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:choice>
      <xs:element name="extension" type="fb:DepartureExtensionType" minOccurs="1" maxOccurs="1">
        <xs:annotation>
          <xs:documentation>An extension hook for attaching extension (non-core)
classes.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:restriction>
</xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/targetTakeOffTimeAllocation/flight/flightdata/ApacAtfmAcdmTtotAllocation_FlightData.xsd
<?xml version="1.0" encoding="utf-8"?>

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```
<xs:schema targetNamespace="http://www.fixm.aero/flight/4.3" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:fx="http://www.fixm.aero/flight/4.3" xmlns:fb="http://www.fixm.aero/base/4.3" elementFormDefault="qualified" version="4.3.0">
  <xs:annotation>
    <xs:documentation>A Target Take-Off Time Allocation message FlightData template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/base/4.3" schemaLocation="../../../../../../../../core/base/Base.xsd"/>
  <xs:include schemaLocation="./arrival/ApacAtfmAcdmTtotAllocation_Arrival.xsd"/>
  <xs:include schemaLocation="./departure/ApacAtfmAcdmTtotAllocation_Departure.xsd"/>
  <xs:include schemaLocation="../../../../../../../../core/flight/flightdata/FlightData.xsd"/>
  <xs:complexType name="ApacAtfmAcdmTtotAllocation_FlightType">
    <xs:complexContent>
      <xs:restriction base="fx:FlightType">
        <xs:sequence>
          <xs:element name="arrival" type="fx:ApacAtfmAcdmTtotAllocation_ArrivalType" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="departure" type="fx:ApacAtfmAcdmTtotAllocation_DepartureType" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="flightIdentification" type="fx:ApacAtfmAcdmTtotAllocation_FlightIdentificationType"
minOccurs="1" maxOccurs="1"/>
        </xs:sequence>
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="ApacAtfmAcdmTtotAllocation_FlightIdentificationType">
    <xs:complexContent>
      <xs:restriction base="fx:FlightIdentificationType">
        <xs:sequence>
          <xs:element name="aircraftIdentification" type="fb:AircraftIdentificationType" minOccurs="1" maxOccurs="1">
            <xs:annotation>
              <xs:documentation>A group of letters, figures or a combination thereof which is either identical to,
or the coded equivalent of, the aircraft call sign to be used in air-ground communications, and which is used to identify the aircraft in ground-ground air
traffic services communications. [ICAO Doc 4444]</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:choice minOccurs="0" maxOccurs="1">
```

```
<xs:element name="gufi" type="fb:GloballyUniqueFlightIdentifierType" minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>A single reference for FF-ICE information pertinent to a flight that is
unique globally. [ICAO Doc 9965]
This is a reference that uniquely identifies a specific flight and is independent of any particular system. [FIXM]</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:choice>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
</xs:schema>
```

Filename: /apacatfmacdmmessage/templates/targetTakeOffTimeAllocation/TargetTakeOffTimeAllocation.xsd

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema targetNamespace="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:apacatfmacdm="http://www.fixm.aero/app/apacatfmacdm/1.0" xmlns:fx="http://www.fixm.aero/flight/4.3"
xmlns:fb="http://www.fixm.aero/base/4.3">
  <xs:annotation>
    <xs:documentation>A Target Take-Off Time Allocation message template.</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.fixm.aero/flight/4.3" schemaLocation="./flight/ApacAtfmAcdmTtotAllocation_Flight.xsd"/>
  <xs:import namespace="http://www.fixm.aero/ext/apac/4.3"
schemaLocation="./apacextension/ApacAtfmAcdmTtotAllocation_ApacExtension.xsd"/>
  <xs:include schemaLocation="./apacatfmacdmmessage/ApacAtfmAcdmTtotAllocation_ApacAtfmAcdmMessage.xsd"/>
</xs:schema>
```