

# 항공기상정보 공공데이터 개발(OPEN API) 개발자 가이드

## 1. 서비스 개요

서비스 정보	서비스 ID	SC-SD-WI-WB-001		
	서비스명(국문)	항공기상정보		
	서비스명(영문)	amoApi		
	서비스 설명	IWXXM Ver 2.0 항공기상전문(METAR/SPECI, TAF, SIGMET, AIRMET)		
서비스 제공자 정보	기관명	항공기상청		
서비스 보안	서비스 인증/권한	<input type="checkbox"/> 서비스 Key <input type="checkbox"/> 인증서 (GPKI) <input type="checkbox"/> Basic (ID/PW) <input type="checkbox"/> 없음		<input type="checkbox"/> WS-Security
	메시지 레벨 암호화	<input type="checkbox"/> 전자서명 <input type="checkbox"/> 암호화 <input type="checkbox"/> 없음		
	전송 레벨 암호화	<input type="checkbox"/> SSL <input type="checkbox"/> 없음		
적용 기술 수준	인터페이스 표준	<input type="checkbox"/> SOAP 1.2 (RPC-Encoded, Document Literal, Document Literal Wrapped) <input type="checkbox"/> REST (GET, POST, PUT, DELETE) <input type="checkbox"/> RSS 1.0 <input type="checkbox"/> RSS 2.0 <input type="checkbox"/> Atom 1.0 <input type="checkbox"/> 기타		
	교환 데이터 표준	<input type="checkbox"/> XML <input type="checkbox"/> JSON <input type="checkbox"/> MIME <input type="checkbox"/> MTOM		
서비스 URL	개발환경	http://localhost:8088/amoApi		
	운영환경	http://amoapi.kma.go.kr/amoApi		
서비스 WADL	개발환경			
	운영환경			
서비스 배포 정보	서비스 버전	N/A		
	유효일자	N/A	배포 일자	2018-03
	서비스 이력	N/A		
메시지 교환 유형		<input type="checkbox"/> Request-Response <input type="checkbox"/> Publish-Subscribe <input type="checkbox"/> Fire-and-Forgot <input type="checkbox"/> Notification		
메시지 로깅 수준	성공	<input type="checkbox"/> Header <input type="checkbox"/> Body	실패	<input type="checkbox"/> Header <input type="checkbox"/> Body
사용 제약 사항 (비고)		N/A		

## 2. 오퍼레이션 목록

일련 번호	서비스명 (국문)	오퍼레이션명(영문)	오퍼레이션명(국문)	메시지명(영문)
1	항공기상 전문 (iwxxm 2.0)	metar/speci	metar/speci	MetarByAirport
2		taf	taf	TafByAirport
4		sigmet	sigmet	SIGMET
5		airmet	airmet	AIRMET

(1) METAR / SPECI 조회

오 퍼 레이 션 정 보	오퍼레이션 번호	1	오퍼레이션명(국문)	metar/speci
	오퍼레이션 유형	조회(목록)	오퍼레이션명(영문)	metar/speci
	오퍼레이션 설명	항공기상관측 자료(정시관측/특별관측)를 국제민간항공기구(ICAO)에서 정한 표준 항공기상정보교환모델로 변환한 정보 *참고자료: <a href="#">METAR/SPECI 해석방법</a> , <a href="#">METAR/SPECI 형판</a>		
	Call Back URL	N/A		
	최대 메시지 사이즈	[2Kbytes]		
	평균 응답 시간	[10ms]	초당 최대 트랜잭션	[30tps]
호 출 메 시 지 정 보	메시지명(영문)	MetarByAirport		
	메시지타입	변수형		
	메시지설명	국내 공항의 ICAO 코드		
	선행 오퍼레이션	N/A		
응 답 메 시 지 정 보	메시지명(영문)	METAR/SPECI		
	메시지 타입	XML		
	메시지 설명	호출메시지의 국내공항 ICAO 코드에 따라 유효한 METAR/SPECI 전문 (1WXXM 형식)을 제공한다.		
HTTP Method		[ 0 ] REST ( <u>GET</u> , POST, PUT, DELETE)		

① 요청 메시지 명세

메시지명(영문) /END POINT URL	http://amoapi.kma.go.kr/amoApi/iwxxm/metar				
항목명(영문)	항목명(국문)	항목크기	항목구분	샘플데이터	항목설명
icao	ICAO 코드	4	0	RKSI	국내공항의 ICAO 코드 RKSI 인천공항 RKSS 김포공항 RKPC 제주공항 RKPK 김해공항 RKNY 양양공항 RKNW 원주공항 RKTU 청주공항 RKTN 대구공항 RKTH 포항공항 RKJJ 광주공항 RKJB 무안공항 RKJY 여수공항 RKPU 울산공항 RKPS 사천공항 RKJK 군산공항

② 응답 메시지 명세

메시지명(영문)	METAR/SPECI				
항목명(영문)	항목명(국문)	항목크기	항목구분	샘플데이터	항목설명
msgText	METAR/SPECI 전문	2100	1	METAR RKSI 270900Z 20007KT 170V240 4200 HZ FEW025 12/07 Q1016 NOSIG=	METAR/SPECI 전문
om:phenomenonTime	관측시간	50	1	2018-03-27T09:00:00Z	관측시간
om:featureOfInterest	발표공항	10	1	INCHEON INTERNATIONAL AIRPORT	발표공항
sams:shape	공항위치	50	1	37.28 126.26 7.0	위도, 경도, 고도
iwxxm:airTemperature	기온	4	1	12	기온
iwxxm:dewpointTemperature	이슬점 온도	4	1	7	이슬점 온도
iwxxm:qnh	기압	10	1	1016	기압
iwxxm:meanWindDirection	풍향	10	1	200	풍향
iwxxm:meanWindSpeed	풍속	10	1	007	풍속
iwxxm:windGustSpeed	최고풍속	10	1	034	최고풍속
iwxxm:extremeClockwiseWindDirection	풍향변동폭	10	1	170	풍향변동폭
iwxxm:extremeCounterClockwiseWindDirection		10	1	240	
iwxxm:AerodromeHorizontalVisibility	시정	10	2	04200	시정
iwxxm:AerodromeObservedClouds	구름	1000	3	<a href="http://codes.wmo.int/bufr4/codeflag/0-20-008/1">http://codes.wmo.int/bufr4/codeflag/0-20-008/1</a>	운량
				2500	운고
				<a href="http://codes.wmo.int/bufr4/codeflag/0-20-012/6">http://codes.wmo.int/bufr4/codeflag/0-20-012/6</a>	운형
iwxxm:presentWeather	현재일기	100	1	<a href="http://codes.wmo.int/306/4678/HZ">http://codes.wmo.int/306/4678/HZ</a>	현재일기

③ 요청 / 응답 메시지 예제

SOAP(요청메세지)	REST(URI)
	http://amoapi.kma.go.kr/amoApi/iwxxm/metar?icao=RKSI
	<b>응답 메시지</b>
<pre> &lt;iwxxm:METAR xmlns:aixm="http://www.aixm.aero/schema/5.1.1" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:iwxxm="http://icao.int/iwxxm/2.0" xmlns:metce="http://def.wmo.int/metce/2013" xmlns:om="http://www.opengis.net/om/2.0" xmlns:sams="http://www.opengis.net/samplingSpatial/2.0" xmlns:sf="http://www.opengis.net/sampling/2.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" automatedStation="false" gml:id="metar-RKSI-20180327090000Z" permissibleUsage="OPERATIONAL" status="NORMAL" xsi:schemaLocation="http://icao.int/iwxxm/2.0 http://schemas.wmo.int/iwxxm/2.0/iwxxm.xsd http://def.wmo.int/metce/2013 http://schemas.wmo.int/metce/1.2/metce.xsd http://www.opengis.net/samplingSpatial/2.0 http://schemas.opengis.net/samplingSpatial/2.0/spatialSamplingFeature.xsd"&gt;   &lt;msgText&gt;METAR RKSI 270900Z 20007G34KT 170V240 4200 HZ FEW025 12/07 Q1016 NOSIG=&lt;/msgText&gt;   &lt;iwxxm:observation&gt;     &lt;om:OM_Observation gml:id="obs-RKSI-20180327090000Z"&gt;       &lt;om:type xlink:href="http://codes.wmo.int/49-2/observation-type/IWXM/1.0/MeteorologicalAerodromeObservation"/&gt;         &lt;om:phenomenonTime&gt;           &lt;gml:TimeInstant gml:id="ti-20180327090000Z"&gt;             &lt;gml:timePosition&gt;2018-03-27T09:00:00Z&lt;/gml:timePosition&gt;           &lt;/gml:TimeInstant&gt;         &lt;/om:phenomenonTime&gt;         &lt;om:resultTime xlink:href="#ti-20180327090000Z"/&gt;         &lt;om:procedure&gt;           &lt;metce:Process gml:id="p-49-2-metar"&gt;             &lt;gml:description&gt;WMO No. 49 Volume 2 Meteorological Service for International Air Navigation APPENDIX 3 TECHNICAL SPECIFICATIONS RELATED TO METEOROLOGICAL OBSERVATIONS AND REPORTS&lt;/gml:description&gt;           &lt;/metce:Process&gt;         &lt;/om:procedure&gt;         &lt;om:observedProperty xlink:href="http://codes.wmo.int/49-2/observable-property/MeteorologicalAerodromeObservation"/&gt;           &lt;om:featureOfInterest&gt;             &lt;sams:SF_SpatialSamplingFeature gml:id="sp-RKSI"&gt;               &lt;sf:type xlink:href="http://www.opengis.net/def/samplingFeatureType/OGC-OM/2.0/SF_SamplingPoint"/&gt;                 &lt;sf:sampledFeature&gt;                   &lt;aixm:AirportHeliport gml:id="a3462ebd-35de-4727-9776-cb9dd32403da"&gt;                     &lt;aixm:timeSlice&gt;                       &lt;aixm:AirportHeliportTimeSlice gml:id="a3462ebd-35de-4727-9776-cb9dd32403da-ts"&gt;                         &lt;gml:validTime/&gt;                         &lt;aixm:interpretation&gt;BASELINE&lt;/aixm:interpretation&gt;                         &lt;aixm:designator&gt;RKSI&lt;/aixm:designator&gt;                         &lt;aixm:name&gt;INCHEON INTERNATIONAL AIRPORT&lt;/aixm:name&gt;                         &lt;aixm:locationIndicator ICAO&gt;RKSI&lt;/aixm:locationIndicator ICAO&gt;                       &lt;/aixm:AirportHeliportTimeSlice&gt;                     &lt;/aixm:timeSlice&gt;                   &lt;/aixm:AirportHeliport&gt;                 &lt;/sf:sampledFeature&gt;               &lt;sams:shape&gt;                 &lt;gml:Point axisLabels="Latitude Longitude Altitude" gml:id="obs-point-RKSI" srsName="http://www.opengis.net/def/crs/EPSG/0/4979" uomLabels="deg deg m"&gt;                   &lt;gml:pos&gt;37.28 126.26 7.0&lt;/gml:pos&gt;                 &lt;/gml:Point&gt;               &lt;/sams:shape&gt;             &lt;/sams:SF_SpatialSamplingFeature&gt;           &lt;/om:featureOfInterest&gt;         &lt;/om:observedProperty&gt;       &lt;/om:OM_Observation&gt;     &lt;/iwxxm:observation&gt;   &lt;/om:OM_Observation&gt; </pre>	

```

<om:result>
  <iwxxm:MeteorologicalAerodromeObservationRecord cloudAndVisibilityOK="false"
gml:id="observation-record-RKSI-20180327090000Z">
    <iwxxm:airTemperature uom="Cel">12</iwxxm:airTemperature>
    <iwxxm:dewpointTemperature uom="Cel">7</iwxxm:dewpointTemperature>
    <iwxxm:qnh uom="hPa">1016</iwxxm:qnh>
    <iwxxm:surfaceWind>
      <iwxxm:AerodromeSurfaceWind variableWindDirection="false">
        <iwxxm:meanWindDirection uom="deg">200</iwxxm:meanWindDirection>
        <iwxxm:meanWindSpeed uom="[kn_i]">007</iwxxm:meanWindSpeed>
        <iwxxm:windGustSpeed uom="[kn_i]">034</iwxxm:windGustSpeed>
        <iwxxm:extremeClockwiseWindDirection uom="deg">240</iwxxm:extremeClockwiseWindDirection>
        <iwxxm:extremeCounterClockwiseWindDirection
uom="deg">170</iwxxm:extremeCounterClockwiseWindDirection>
      </iwxxm:AerodromeSurfaceWind>
    </iwxxm:surfaceWind>
    <iwxxm:visibility>
      <iwxxm:AerodromeHorizontalVisibility>
        <iwxxm:prevailingVisibility uom="m">04200</iwxxm:prevailingVisibility>
      </iwxxm:AerodromeHorizontalVisibility>
    </iwxxm:visibility>
    <iwxxm:presentWeather xlink:href="http://codes.wmo.int/306/4678/HZ"/>
    <iwxxm:cloud>
      <iwxxm:AerodromeObservedClouds>
        <iwxxm:CloudLayer>
          <iwxxm:amount xlink:href="http://codes.wmo.int/bufr4/deflag/0-20-008/1"/>
          <iwxxm:base uom="[ft_i]">2500</iwxxm:base>
          <iwxxm:cloudType xlink:href="http://codes.wmo.int/bufr4/deflag/0-20-012/6"
xlink:title="Stratocumulus"/>
        </iwxxm:CloudLayer>
      </iwxxm:AerodromeObservedClouds>
    </iwxxm:cloud>
  </iwxxm:MeteorologicalAerodromeObservationRecord>
</om:result>
</om:OM_Observation>
</iwxxm:observation>
<iwxxm:trendForecast>
  <om:OM_Observation gml:id="trend-fcst-1">
    <om:type
xlink:href="http://codes.wmo.int/49-2/observation-type/IWXXM/1.0/MeteorologicalAerodromeTrendForecast"/>
    <om:phenomenonTime xlink:href="#ti-20180327090000Z"/>
    <om:resultTime xlink:href="#ti-20180327090000Z"/>
    <om:procedure xlink:href="#p-49-2-metar"/>
    <om:observedProperty
xlink:href="http://codes.wmo.int/49-2/observable-property/MeteorologicalAerodromeTrendForecast"/>
    <om:featureOfInterest xlink:href="#sp-RKSI"/>
    <om:result>
      <iwxxm:MeteorologicalAerodromeTrendForecastRecord changeIndicator="NO_SIGNIFICANT_CHANGES"
cloudAndVisibilityOK="false" gml:id="trend-fcst-record-1-20180327090000Z">
        <iwxxm:forecastWeather
nilReason="http://codes.wmo.int/common/nil/nothingOfOperationalSignificance"/>
      </iwxxm:MeteorologicalAerodromeTrendForecastRecord>
    </om:result>
  </om:OM_Observation>
</iwxxm:trendForecast>
</iwxxm:METAR>

```

(2) TAF 조회

오 퍼 레 이 션 정 보	오퍼레이션 번호	2	오퍼레이션명(국문)	taf
	오퍼레이션 유형	조회(목록)	오퍼레이션명(영문)	taf
	오퍼레이션 설명	중요 기상 상태에 대한 예보를 국제민간항공기구(ICAO)에서 정한 표준 항 공기상정보교환모델로 변환한 정보 *참고자료: <a href="#">TAF 해석방법</a> , <a href="#">TAF 형판</a>		
	Call Back URL	N/A		
	최대 메시지 사이즈	[2Kbytes]		
	평균 응답 시간	[10ms]	초당 최대 트랜잭션	[30tps]
호 출 메 시 지 정 보	메시지명(영문)	TafByAirport		
	메시지타입	변수형		
	메시지설명	국내 공항의 ICAO 코드		
	선행 오퍼레이션	N/A		
에 디 트 메 시 지 정 보	메시지명(영문)	TAF		
	메시지 타입	XML		
	메시지 설명	호출메시지의 국내공항 ICAO 코드에 따라 TAF 전문(IWXXM 형식)을 제공한 다.		
HTTP Method		[ 0 ] REST ( <u>GET</u> , POST, PUT, DELETE)		

① 요청 메시지 명세

메시지명(영문) /END POINT URL	http://amoapi.kma.go.kr/amoApi/iwxxm/taf				
항목명(영문)	항목명(국문)	항목크기	항목구분	샘플데이터	항목설명
icao	ICAO 코드	4	0	RKSI	국내공항의 ICAO 코드 RKSI 인천공항 RKSS 김포공항 RKPC 제주공항 RKPK 김해공항 RKNY 양양공항 RKNW 원주공항 RKTU 청주공항 RKTN 대구공항 RKTH 포항공항 RKJJ 광주공항 RKJB 무안공항 RKJY 여수공항 RKPU 울산공항 RKPS 사천공항 RKJK 군산공항

② 응답 메시지 명세

메시지명(영문)	TAF				
항목명(영문)	항목명(국문)	항목크기	항목구분	샘플데이터	항목설명
msgText	TAF 전문	2100	1	TAF RKJB 292300Z 3000/3106 11006KT 2400 BR SCT010 TX19/3006Z TN07/3021Z TX19/3106Z BECMG 3001/3002 14007KT 4200 BECMG 3003/3004 6000 NSW NSC BECMG 3012/3013 11005KT 4200 BR BECMG 3021/3022 16007KT 6000 NSW=	TAF 전문
iwxxm:issueTime	발표시간	20	1	2018-03-29T23:00:00Z	발표시간
iwxxm:validTime	유효시간	20	1	2018-03-30T00:00:00Z 2018-03-31T06:00:00Z	유효시간
om:featureOfInterest	발표공항	10	1	MUAN INTERNATIONAL AIRPORT	발표공항
sams:shape	공항위치	50	1	34.59 126.23 15.5	위도, 경도, 고도
iwxxm:maximumAirTemperature	최고기온	10	1	19	최고기온
iwxxm:minimumAirTemperature	최저기온	10	1	07	최저기온
iwxxm:AerodromeSurfaceWindForecast	풍향 / 평균풍속	10	1	110	풍향
				06	평균풍속
iwxxm:prevailingVisibility	시정	10	1	2400	시정
iwxxm:weather	일기현상	10	1	<a href="http://codes.wmo.int/306/4678/BR">http://codes.wmo.int/306/4678/BR</a>	일기현상
iwxxm:CloudLayer	구름	100	1	<a href="http://codes.wmo.int/bufr4/codeflag/0-20-008/2">http://codes.wmo.int/bufr4/codeflag/0-20-008/2</a>	운량
				1000	운고
gml:beginPosition	변화예상 시작시간	10	1	2018-03-30T01:00:00Z	변화예상 시작시간
gml:endPosition	변화예상 종료시간	10	1	2018-03-30T02:00:00Z	변화예상 종료시간

③ 요청 / 응답 메시지 예제

SOAP(요청메세지)	REST(URI)
	http://amoapi.kma.go.kr/amoApi/iwxxm/taf?icao=RKSI
응답 메시지	
<pre> &lt;iwxxm:TAF xmlns:aixm="http://www.aixm.aero/schema/5.1.1" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:iwxxm="http://icao.int/iwxxm/2.0" xmlns:metce="http://def.wmo.int/metce/2013" xmlns:om="http://www.opengis.net/om/2.0" xmlns:sams="http://www.opengis.net/samplingSpatial/2.0" xmlns:sf="http://www.opengis.net/sampling/2.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" gml:id="taf-RKJB-201803292300Z" permissibleUsage="OPERATIONAL" status="NORMAL" xsi:schemaLocation="http://icao.int/iwxxm/2.0 http://schemas.wmo.int/iwxxm/2.0/iwxxm.xsd http://def.wmo.int/metce/2013 http://schemas.wmo.int/metce/1.2/metce.xsd"&gt;   &lt;msgText&gt;TAF RKJB 292300Z 3000/3106 11006KT 2400 BR SCT010     TX19/3006Z TN07/3021Z TX19/3106Z     BECMG 3001/3002 14007KT 4200     BECMG 3003/3004 6000 NSW NSC     BECMG 3012/3013 11005KT 4200 BR     BECMG 3021/3022 16007KT 6000 NSW=&lt;/msgText&gt;   &lt;iwxxm:issueTime&gt;     &lt;gml:TimeInstant gml:id="ti-201803292300"&gt;       &lt;gml:timePosition&gt;2018-03-29T23:00:00Z&lt;/gml:timePosition&gt;     &lt;/gml:TimeInstant&gt;   &lt;/iwxxm:issueTime&gt;   &lt;iwxxm:validTime&gt;     &lt;gml:TimePeriod gml:id="tp-201803300000-201803310600"&gt;       &lt;gml:beginPosition&gt;2018-03-30T00:00:00Z&lt;/gml:beginPosition&gt;       &lt;gml:endPosition&gt;2018-03-31T06:00:00Z&lt;/gml:endPosition&gt;     &lt;/gml:TimePeriod&gt;   &lt;/iwxxm:validTime&gt;   &lt;iwxxm:baseForecast&gt;     &lt;om:OM_Observation gml:id="bf-1"&gt;       &lt;om:type xlink:href="http://codes.wmo.int/49-2/observation-type/IWXXM/1.0/MeteorologicalAerodromeForecast"/&gt;       &lt;om:phenomenonTime xlink:href="#tp-201803300000-201803310600"/&gt;       &lt;om:resultTime xlink:href="#ti-201803292300Z"/&gt;       &lt;om:validTime xlink:href="#tp-201803300000-201803310600"/&gt;       &lt;om:procedure&gt;         &lt;metce:Process gml:id="p-49-2-taf"&gt;           &lt;gml:description&gt;WMO No. 49 Volume 2 Meteorological Service for International Air Navigation APPENDIX 5 TECHNICAL SPECIFICATIONS RELATED TO FORECASTS&lt;/gml:description&gt;         &lt;/metce:Process&gt;       &lt;/om:procedure&gt;       &lt;om:observedProperty xlink:href="http://codes.wmo.int/49-2/observable-property/MeteorologicalAerodromeForecast"/&gt;       &lt;om:featureOfInterest&gt;         &lt;sams:SF_SpatialSamplingFeature gml:id="sp-RKJB"&gt;           &lt;sf:type xlink:href="http://www.opengis.net/def/samplingFeatureType/OGC-OM/2.0/SF_SamplingPoint"/&gt;           &lt;sf:sampledFeature&gt;             &lt;aixm:AirportHeliport gml:id="uuid.dd062d88-3e64-4a5d-bebd-89476db9ebea"&gt;               &lt;aixm:timeSlice&gt;                 &lt;aixm:AirportHeliportTimeSlice&gt;                   &lt;gml:validTime/&gt;                   &lt;aixm:interpretation&gt;BASELINE&lt;/aixm:interpretation&gt;                   &lt;aixm:designator&gt;RKJB&lt;/aixm:designator&gt;                   &lt;aixm:name&gt;MUAN INTERNATIONAL AIRPORT&lt;/aixm:name&gt;                   &lt;aixm:locationIndicator ICAO&gt;RKJB&lt;/aixm:locationIndicator ICAO&gt;                 &lt;/aixm:AirportHeliportTimeSlice&gt;               &lt;/aixm:timeSlice&gt;             &lt;/aixm:AirportHeliport&gt;           &lt;/sf:sampledFeature&gt;         &lt;/sams:SF_SpatialSamplingFeature&gt;       &lt;/om:featureOfInterest&gt;     &lt;/om:OM_Observation&gt;   &lt;/iwxxm:baseForecast&gt; </pre>	



```

    </aixm:timeSlice>
  </aixm:AirportHeliport>
</sf:sampledFeature>
<sams:shape>
  <gml:Point axisLabels="Latitude Longitude Altitude" gml:id="obs-point-RKJB"
srsDimension="3" srsName="http://www.opengis.net/def/crs/EPSSG/0/4979" uomLabels="deg deg m">
    <gml:pos>34.59 126.23 15.5</gml:pos>
  </gml:Point>
</sams:shape>
</sams:SF_SpatialSamplingFeature>
</om:featureOfInterest>
<om:result>
  <iwxxm:MeteorologicalAerodromeForecastRecord changeIndicator="" cloudAndVisibilityOK="false"
gml:id="base-fcst_record">
    <iwxxm:temperature>
      <iwxxm:AerodromeAirTemperatureForecast>
        <iwxxm:maximumAirTemperature uom="Cel">19</iwxxm:maximumAirTemperature>
        <iwxxm:maximumAirTemperatureTime>
          <gml:TimeInstant gml:id="ti-201803300600Z">
            <gml:timePosition>2018-03-30 06:00:00Z</gml:timePosition>
          </gml:TimeInstant>
        </iwxxm:maximumAirTemperatureTime>
      </iwxxm:AerodromeAirTemperatureForecast>
    </iwxxm:temperature>
    <iwxxm:temperature>
      <iwxxm:AerodromeAirTemperatureForecast>
        <iwxxm:minimumAirTemperature uom="Cel">07</iwxxm:minimumAirTemperature>
        <iwxxm:minimumAirTemperatureTime>
          <gml:TimeInstant gml:id="ti-201803302100Z">
            <gml:timePosition>2018-03-30 21:00:00Z</gml:timePosition>
          </gml:TimeInstant>
        </iwxxm:minimumAirTemperatureTime>
      </iwxxm:AerodromeAirTemperatureForecast>
    </iwxxm:temperature>
    <iwxxm:temperature>
      <iwxxm:AerodromeAirTemperatureForecast>
        <iwxxm:maximumAirTemperature uom="Cel">19</iwxxm:maximumAirTemperature>
        <iwxxm:maximumAirTemperatureTime>
          <gml:TimeInstant gml:id="ti-201803310600Z">
            <gml:timePosition>2018-03-31 06:00:00Z</gml:timePosition>
          </gml:TimeInstant>
        </iwxxm:maximumAirTemperatureTime>
      </iwxxm:AerodromeAirTemperatureForecast>
    </iwxxm:temperature>
    <iwxxm:surfaceWind>
      <iwxxm:AerodromeSurfaceWindForecast variableWindDirection="false">
        <iwxxm:meanWindDirection uom="deg">110</iwxxm:meanWindDirection>
        <iwxxm:meanWindSpeed uom="[kn_i]">06</iwxxm:meanWindSpeed>
      </iwxxm:AerodromeSurfaceWindForecast>
    </iwxxm:surfaceWind>
    <iwxxm:prevailingVisibility uom="m">2400</iwxxm:prevailingVisibility>
    <iwxxm:weather xlink:href="http://codes.wmo.int/306/4678/BR"/>
    <iwxxm:cloud>
      <iwxxm:AerodromeCloudForecast gml:id="chg_acf1">
        <iwxxm:layer>
          <iwxxm:CloudLayer>
            <iwxxm:amount xlink:href="http://codes.wmo.int/bufr4/flaglag/0-20-008/2"/>
            <iwxxm:base uom="[ft_i]">1000</iwxxm:base>
          </iwxxm:CloudLayer>

```

```

        </iwxxm:layer>
        </iwxxm:AerodromeCloudForecast>
    </iwxxm:cloud>
    </iwxxm:MeteorologicalAerodromeForecastRecord>
</om:result>
</om:OM_Observation>
</iwxxm:baseForecast>
<iwxxm:changeForecast gml:id="cf-1">
    <om:OM_Observation>
        <om:type
xlink:href="http://codes.wmo.int/49-2/observation-type/IWXXM/1.0/MeteorologicalAerodromeForecast"/>
        <om:phenomenonTime>
            <gml:beginPosition>2018-03-30T01:00:00Z</gml:beginPosition>
            <gml:endPosition>2018-03-30T02:00:00Z</gml:endPosition>
        </om:phenomenonTime>
        <om:resultTime xlink:href="#ti-201803292300Z"/>
        <om:validTime xlink:href="#tp-201803300100-201803300200"/>
        <om:procedure xlink:href="#p-49-1-taf"/>
        <om:observedProperty
xlink:href="http://codes.wmo.int/49-2/observable-property/MeteorologicalAerodromeForecast"/>
        <om:featureOfInterest xlink:href="#sp-RKJB"/>
        <om:result>
            <iwxxm:MeteorologicalAerodromeForecastRecord changeIndicator="BECOMING"
cloudAndVisibilityOK="false" gml:id="change-fcst-record-2">
                <iwxxm:surfaceWind>
                    <iwxxm:AerodromeSurfaceWindForecast variableWindDirection="false">
                        <iwxxm:meanWindDirection uom="deg">140</iwxxm:meanWindDirection>
                        <iwxxm:meanWindSpeed uom="[kn_i]">07</iwxxm:meanWindSpeed>
                    </iwxxm:AerodromeSurfaceWindForecast>
                </iwxxm:surfaceWind>
                <iwxxm:prevailingVisibility uom="m">4200</iwxxm:prevailingVisibility>
            </iwxxm:MeteorologicalAerodromeForecastRecord>
        </om:result>
    </om:OM_Observation>
</iwxxm:changeForecast>
<iwxxm:changeForecast gml:id="cf-2">
    <om:OM_Observation>
        <om:type
xlink:href="http://codes.wmo.int/49-2/observation-type/IWXXM/1.0/MeteorologicalAerodromeForecast"/>
        <om:phenomenonTime>
            <gml:beginPosition>2018-03-30T03:00:00Z</gml:beginPosition>
            <gml:endPosition>2018-03-30T04:00:00Z</gml:endPosition>
        </om:phenomenonTime>
        <om:resultTime xlink:href="#ti-201803292300Z"/>
        <om:validTime xlink:href="#tp-201803300300-201803300400"/>
        <om:procedure xlink:href="#p-49-2-taf"/>
        <om:observedProperty
xlink:href="http://codes.wmo.int/49-2/observable-property/MeteorologicalAerodromeForecast"/>
        <om:featureOfInterest xlink:href="#sp-RKJB"/>
        <om:result>
            <iwxxm:MeteorologicalAerodromeForecastRecord changeIndicator="BECOMING"
cloudAndVisibilityOK="false" gml:id="change-fcst-record-3">
                <iwxxm:prevailingVisibility uom="m">6000</iwxxm:prevailingVisibility>
                <iwxxm:weather nilReason="http://codes.wmo.int/common/nil/nothingOfOperationalSignificance"/>
                <iwxxm:cloud nilReason="http://codes.wmo.int/common/nil/nothingOfOperationalSignificance"/>
            </iwxxm:MeteorologicalAerodromeForecastRecord>
        </om:result>
    </om:OM_Observation>
</iwxxm:changeForecast>

```

```

<iwxxm:changeForecast gml:id="cf-3">
  <om:OM_Observation>
    <om:type
xlink:href="http://codes.wmo.int/49-2/observation-type/IWXXM/1.0/MeteorologicalAerodromeForecast"/>
    <om:phenomenonTime>
      <gml:beginPosition>2018-03-30T12:00:00Z</gml:beginPosition>
      <gml:endPosition>2018-03-30T13:00:00Z</gml:endPosition>
    </om:phenomenonTime>
    <om:resultTime xlink:href="#ti-201803292300Z"/>
    <om:validTime xlink:href="#tp-201803301200-201803301300"/>
    <om:procedure xlink:href="#p-49-3-taf"/>
    <om:observedProperty
xlink:href="http://codes.wmo.int/49-2/observable-property/MeteorologicalAerodromeForecast"/>
    <om:featureOfInterest xlink:href="#sp-RKJB"/>
    <om:result>
      <iwxxm:MeteorologicalAerodromeForecastRecord changeIndicator="BECOMING"
cloudAndVisibilityOK="false" gml:id="change-fcst-record-4">
        <iwxxm:surfaceWind>
          <iwxxm:AerodromeSurfaceWindForecast variableWindDirection="false">
            <iwxxm:meanWindDirection uom="deg">110</iwxxm:meanWindDirection>
            <iwxxm:meanWindSpeed uom="[kn_i]">05</iwxxm:meanWindSpeed>
          </iwxxm:AerodromeSurfaceWindForecast>
        </iwxxm:surfaceWind>
        <iwxxm:prevailingVisibility uom="m">4200</iwxxm:prevailingVisibility>
        <iwxxm:weather xlink:href="http://codes.wmo.int/306/4678/BR"/>
      </iwxxm:MeteorologicalAerodromeForecastRecord>
    </om:result>
  </om:OM_Observation>
</iwxxm:changeForecast>
<iwxxm:changeForecast gml:id="cf-4">
  <om:OM_Observation>
    <om:type
xlink:href="http://codes.wmo.int/49-2/observation-type/IWXXM/1.0/MeteorologicalAerodromeForecast"/>
    <om:phenomenonTime>
      <gml:beginPosition>2018-03-30T21:00:00Z</gml:beginPosition>
      <gml:endPosition>2018-03-30T22:00:00Z</gml:endPosition>
    </om:phenomenonTime>
    <om:resultTime xlink:href="#ti-201803292300Z"/>
    <om:validTime xlink:href="#tp-201803302100-201803302200"/>
    <om:procedure xlink:href="#p-49-4-taf"/>
    <om:observedProperty
xlink:href="http://codes.wmo.int/49-2/observable-property/MeteorologicalAerodromeForecast"/>
    <om:featureOfInterest xlink:href="#sp-RKJB"/>
    <om:result>
      <iwxxm:MeteorologicalAerodromeForecastRecord changeIndicator="BECOMING"
cloudAndVisibilityOK="false" gml:id="change-fcst-record-5">
        <iwxxm:surfaceWind>
          <iwxxm:AerodromeSurfaceWindForecast variableWindDirection="false">
            <iwxxm:meanWindDirection uom="deg">160</iwxxm:meanWindDirection>
            <iwxxm:meanWindSpeed uom="[kn_i]">07</iwxxm:meanWindSpeed>
          </iwxxm:AerodromeSurfaceWindForecast>
        </iwxxm:surfaceWind>
        <iwxxm:prevailingVisibility uom="m">6000</iwxxm:prevailingVisibility>
        <iwxxm:weather nilReason="http://codes.wmo.int/common/nil/nothingOfOperationalSignificance"/>
      </iwxxm:MeteorologicalAerodromeForecastRecord>
    </om:result>
  </om:OM_Observation>
</iwxxm:changeForecast>
</iwxxm:TAF>

```

(3) SIGMET 조회

오 퍼 레 이 션 정 보	오퍼레이션 번호	3	오퍼레이션명(국문)	sigmet
	오퍼레이션 유형	조회(목록)	오퍼레이션명(영문)	sigmet
	오퍼레이션 설명	운항중인 항공기에 위험을 초래할 수 있는 기상 현상과 이러한 현상의 시·공간적 변화에 대한 정보를 국제민간항공기구(ICAO)에서 정한 표준 항공기상정보교환모델로 변환한 정보 * 참고자료: <a href="#">공항경보</a> , <a href="#">SIGMET</a> , <a href="#">AIRMET 해석방법</a> , <a href="#">SIGMET,AIRMET형판</a>		
	Call Back URL	N/A		
	최대 메시지 사이즈	[2Kbytes]		
	평균 응답 시간	[10ms]	초당 최대 트랜잭션	[30tps]
호 출 메 시 지 정 보	메시지명(영문)	SIGMET		
	메시지타입	변수형		
	메시지설명	변수 없음		
	선행 오퍼레이션	N/A		
응 답 메 시 지 정 보	메시지명(영문)	SIGMET		
	메시지 타입	리스트형		
	메시지 설명	현재 발효중인 SIGMET 전문(IWXXM 형식)을 출력한다.		
HTTP Method		[ 0 ] REST ( <u>GET</u> , POST, PUT, DELETE)		

① 요청 메시지 명세

메시지명(영문) /END POINT URL	http://amoapi.kma.go.kr/amoApi/iwxxm/sigmet
----------------------------	---

② 응답 메시지 명세

메시지명(영문)	SIGMET				
항목명(영문)	항목명(국문)	항목크기	항목구분	샘플데이터	항목설명
iwxxm:msgText	SIGMET 전문	2100	1	RKRR SIGMET A01 VALID 300403/301003 RKSI-RKRR INCHEON FIR EMBD TS OBS WI N3228 E12403 - N3320 E12807 - N3143 E12852 - N3059 E12327 - N3228 E12403 TOP FL290 MOV ENE 30KT=	SIGMET 전문
iwxxm:sequenceNumber	발표번호	20	1	A01	발표번호
iwxxm:issueTime	발표시간	20	1	20180330T0403Z	발표시간
iwxxm:validPeriod	유효시간	20	1	2018-03-30T04:03:00Z 2018-03-30T10:03:00Z	유효시간
om:featureOfInterest	발표공항	10	1	SI-Incheon	발표공항
iwxxm:geometry	발표범위	10	1	124.05 32.466667 128.11667 33.333332 128.86667 31.716667 123.45 30.983334 124.05 32.466667	발표범위
iwxxm:phenomenon	기상현상	10	1	<a href="http://codes.wmo.int/49-2/SigWxPhenomena/EMBD_TS">http://codes.wmo.int/49-2/SigWxPhenomena/EMBD_TS</a>	기상현상
iwxxm:geometry	운정고도	10	1	290	운정고도
iwxxm:directionOfMotion	이동방향	10	1	67.5	이동방향
iwxxm:speedOfMotion	이동속도	10	1	30	이동속도

③ 요청 / 응답 메시지 예제

SOAP(요청메세지)	REST(URI)
	http://amoapi.kma.go.kr/amoApi/iwxxm/sigmat
응답 메시지	
<pre> &lt;iwxxm:SIGMET xmlns:aixm="http://www.aixm.aero/schema/5.1.1" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:iwxxm="http://icao.int/iwxxm/2.0" xmlns:metce="http://def.wmo.int/metce/2013" xmlns:om="http://www.opengis.net/om/2.0" xmlns:sams="http://www.opengis.net/samplingSpatial/2.0" xmlns:sf="http://www.opengis.net/sampling/2.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" gml:id="SIGMET-RKRR-20180330040300" permissibleUsage="OPERATIONAL" status="NORMAL" xsi:schemaLocation="http://icao.int/iwxxm/2.0 http://schemas.wmo.int/iwxxm/2.0/iwxxm.xsd http://def.wmo.int/metce/2013 http://schemas.wmo.int/metce/1.2/metce.xsd http://www.opengis.net/samplingSpatial/2.0 http://schemas.opengis.net/samplingSpatial/2.0/spatialSamplingFeature.xsd"&gt;   &lt;iwxxm:msgText&gt;RKRR SIGMET A01 VALID 300403/301003 RKS1- RKRR INCHEON FIR EMBD TS OBS WI N3228 E12403 - N3320 E12807 - N3143 E12852 - N3059 E12327 - N3228 E12403 TOP FL290 MOV ENE 30KT=&lt;/iwxxm:msgText&gt;   &lt;iwxxm:sequenceNumber&gt;A01&lt;/iwxxm:sequenceNumber&gt;   &lt;iwxxm:validPeriod&gt;     &lt;gml:TimePeriod gml:id="tp-20180330T0403Z-20180330T1003Z"&gt;       &lt;gml:beginPosition&gt;2018-03-30T04:03:00Z&lt;/gml:beginPosition&gt;       &lt;gml:endPosition&gt;2018-03-30T10:03:00Z&lt;/gml:endPosition&gt;     &lt;/gml:TimePeriod&gt;   &lt;/iwxxm:validPeriod&gt;   &lt;iwxxm:phenomenon xlink:href="http://codes.wmo.int/49-2/SigWxPhenomena/EMBD_TS"/&gt;   &lt;iwxxm:analysis&gt;     &lt;om:OM_Observation gml:id="analysis"&gt;       &lt;om:type xlink:href="http://codes.wmo.int/49-2/observation-type/iwxxm/1.0/SIGMETEvolvingConditionAnalysis"/&gt;       &lt;om:phenomenonTime nilReason="missing"/&gt;       &lt;om:resultTime&gt;         &lt;gml:TimeInstant gml:id="ti-201803300403Z"&gt;           &lt;gml:timePosition&gt;2018.03.30 04:03&lt;/gml:timePosition&gt;         &lt;/gml:TimeInstant&gt;       &lt;/om:resultTime&gt;       &lt;om:validTime xlink:href="#tp-20180330T0403Z-20180330T1003Z"/&gt;       &lt;om:procedure&gt;         &lt;metce:Process gml:id="p-49-2-SIGMET"&gt;           &lt;gml:description&gt;WMO No. 49 Volume 2 Meteorological Service for International Air Navigation APPENDIX 6-1 TECHNICAL SPECIFICATIONS RELATED TO SIGMET INFORMATION&lt;/gml:description&gt;         &lt;/metce:Process&gt;       &lt;/om:procedure&gt;       &lt;om:observedProperty xlink:href="http://codes.wmo.int/49-2/observable-property/SIGMETEvolvingConditionCollectionAnalysis"/&gt;       &lt;om:featureOfInterest&gt;         &lt;sams:SF_SpatialSamplingFeature gml:id="SI-Incheon"&gt;           &lt;sf:type xlink:href="http://www.opengis.net/def/samplingFeatureType/OGC-OM/2.0/SF_SamplingSurface"/&gt;           &lt;sf:sampledFeature&gt;             &lt;aixm:Airspace gml:id="d19f16a4-7c7e-4a2b-89df-418ffb06a12a"&gt;               &lt;aixm:timeSlice&gt;                 &lt;aixm:AirspaceTimeSlice gml:id="fir-RKRR-ts"&gt;                   &lt;gml:validTime/&gt;                   &lt;aixm:interpretation&gt;BASELINE&lt;/aixm:interpretation&gt;                   &lt;aixm:type&gt;FIR&lt;/aixm:type&gt;                   &lt;aixm:designator&gt;RKRR&lt;/aixm:designator&gt;                   &lt;aixm:name&gt;Incheon FIR&lt;/aixm:name&gt;                 &lt;/aixm:AirspaceTimeSlice&gt;               &lt;/aixm:timeSlice&gt;             &lt;/aixm:Airspace&gt;           &lt;/sf:sampledFeature&gt;         &lt;/sams:SF_SpatialSamplingFeature&gt;       &lt;/om:featureOfInterest&gt;     &lt;/om:OM_Observation&gt;   &lt;/iwxxm:analysis&gt; &lt;/i&gt; </pre>	

```

        </aixm:timeSlice>
        </aixm:Airspace>
    </sf:sampledFeature>
    <sams:shape nilReason="withheld"/>
</sams:SF_SpatialSamplingFeature>
</om:featureOfInterest>
<om:result>
    <iwxxm:EvolvingMeteorologicalCondition gml:id="emc-TS-OBS-RKRR-20180330T0403Z"
timeIndicator="OBSERVATION">
        <iwxxm:geometry>
            <aixm:AirspaceVolume gml:id="av-TS-OBS-RKRR-20180330T0403Z">
                <aixm:upperLimit uom="FL">290</aixm:upperLimit>
                <aixm:upperLimitReference>STD</aixm:upperLimitReference>
                <aixm:horizontalProjection>
                    <aixm:Surface axisLabels="Lat Lon"
gml:id="polygon-TS-OBS-position-RKRR-20180330T0403Z" srsDimension="2"
srsName="http://www.opengis.net/def/crs/EPSSG/0/4326" uomLabels="deg deg">
                        <gml:polygonPatches>
                            <gml:PolygonPatch>
                                <gml:exterior>
                                    <gml:LinearRing>
                                        <gml:posList>124.05 32.466667 128.11667 33.333332 128.86667 31.716667
123.45 30.983334 124.05 32.466667</gml:posList>
                                    </gml:LinearRing>
                                </gml:exterior>
                            </gml:PolygonPatch>
                        </gml:polygonPatches>
                    </aixm:Surface>
                </aixm:horizontalProjection>
            </aixm:AirspaceVolume>
        </iwxxm:geometry>
        <iwxxm:directionOfMotion uom="deg">67.5</iwxxm:directionOfMotion>
        <iwxxm:speedOfMotion uom="[kn_i]">30</iwxxm:speedOfMotion>
    </iwxxm:EvolvingMeteorologicalCondition>
</om:result>
</om:OM_Observation>
</iwxxm:analysis>
<iwxxm:issueTime>20180330T0403Z</iwxxm:issueTime>
</iwxxm:SIGMET>

```

(4) AIRMET 조회

오 퍼 레이 션 정 보	오퍼레이션 번호	4	오퍼레이션명(국문)	airmet
	오퍼레이션 유형	조회(목록)	오퍼레이션명(영문)	airmet
	오퍼레이션 설명	저고도(FL100 이하)를 운항하는 항공기에 위험을 초래할 수 있는 기상 현상과 이러한 현상의 시·공간적 변화에 대한 정보를 국제민간항공기구(ICAO)에서 정한 표준 항공기상정보교환모델로 변환한 정보 * 참고자료: <a href="#">공항경보</a> , <a href="#">SIGMET</a> , <a href="#">AIRMET 해석방법</a> , <a href="#">SIGMET,AIRMET형관</a>		
	Call Back URL	N/A		
	최대 메시지 사이즈	[2Kbytes]		
	평균 응답 시간	[10ms]	초당 최대 트랜잭션	[30tps]
하 출 메 시 지 정 보	메시지명(영문)	AIRMET		
	메시지타입	변수형		
	메시지설명	변수 없음		
	선행 오퍼레이션	N/A		
요 청 메 시 지 정 보	메시지명(영문)	AIRMET		
	메시지 타입	리스트형		
	메시지 설명	현재 발효중인 AIRMET 전문 (IWXXM 형식)을 출력한다.		
HTTP Method		[ 0 ] REST ( <u>GET</u> , POST, PUT, DELETE)		

① 요청 메시지 명세

메시지명(영문) /END POINT URL	http://amoapi.kma.go.kr/amoApi/iwxxm/airmet
----------------------------	---



② 응답 메시지 명세

메시지명(영문)	AIRMET				
항목명(영문)	항목명(국문)	항목크기	항목구분	샘플데이터	항목설명
iwxxm:msgText	AIRMET 전문	2100	1	RKRR AIRMET B01 VALID 300233/300633 RKSI-RKRR INCHEON FIR SFC VIS 5000M FG BR OBS WI N3810 E12359 - N2926 E12335 - N3442 E12827 - N3459 E12633 - N3844 E12637 - N3810 E12359 MOV E 10KT INTSF=	AIRMET 전문
iwxxm:sequenceNumber	발표번호	20	1	B01	발표번호
iwxxm:issueTime	발표시간	20	1	20180330T0233Z	발표시간
iwxxm:validPeriod	유효시간	20	1	2018-03-30T02:33:00Z 2018-03-30T06:33:00Z	유효시간
om:featureOfInterest	발표공항	10	1	SI-Incheon	발표공항
iwxxm:geometry	발표범위	10	1	123.98333 38.166668 123.583336 29.433332 128.45 34.710835 126.55 34.983334 126.61667 38.733334 123.98333 38.166668	발표범위
iwxxm:EvolvingMeteorologicalCondition	강도	10	1	INTENSIFY	강도
iwxxm:directionOfMotion	이동방향	10	1	90.0	이동방향
iwxxm:speedOfMotion	이동속도	10	1	10	이동속도
iwxxm:surfaceVisibility	시정	10	1	5000	지상시정
iwxxm:surfaceVisibilityCause	기상현상	10	1	FG/BR	기상현상

③ 요청 / 응답 메시지 예제

SOAP(요청메시지)	REST(URI)
	http://amoapi.kma.go.kr/amoApi/iwxxm/airmet
응답 메시지	
<pre> &lt;iwxxm:AIRMET xmlns:aixm="http://www.aixm.aero/schema/5.1.1" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:iwxxm="http://icao.int/iwxxm/2.0" xmlns:metce="http://def.wmo.int/metce/2013" xmlns:om="http://www.opengis.net/om/2.0" xmlns:sams="http://www.opengis.net/samplingSpatial/2.0" xmlns:sf="http://www.opengis.net/sampling/2.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" gml:id="AIRMET-RKRR-20180330023300" permissibleUsage="OPERATIONAL" status="NORMAL" xsi:schemaLocation="http://icao.int/iwxxm/2.0 http://schemas.wmo.int/iwxxm/2.0/iwxxm.xsd http://def.wmo.int/metce/2013 http://schemas.wmo.int/metce/1.2/metce.xsd http://www.opengis.net/samplingSpatial/2.0 http://schemas.opengis.net/samplingSpatial/2.0/spatialSamplingFeature.xsd"&gt;   &lt;iwxxm:msgText&gt;RKRR AIRMET B01 VALID 300233/300633 RKSJ-#13; RKRR INCHEON FIR SFC VIS 5000M FG BR OBS WI N3810 E12359 - N2926 E12335 - N3442 E12827 - N3459 E12633 - N3844 E12637 - N3810 E12359 MOV E 10KT INTSF=&lt;/iwxxm:msgText&gt;   &lt;iwxxm:sequenceNumber&gt;B01&lt;/iwxxm:sequenceNumber&gt;   &lt;iwxxm:validPeriod&gt;     &lt;gml:TimePeriod gml:id="tp-20180330T0233Z-20180330T0633Z"&gt;       &lt;gml:beginPosition&gt;2018-03-30T02:33:00Z&lt;/gml:beginPosition&gt;       &lt;gml:endPosition&gt;2018-03-30T06:33:00Z&lt;/gml:endPosition&gt;     &lt;/gml:TimePeriod&gt;   &lt;/iwxxm:validPeriod&gt;   &lt;iwxxm:phenomenon xlink:href="http://codes.wmo.int/49-2/AirWxPhenomena/SFC_VIS"/&gt;   &lt;iwxxm:analysis&gt;     &lt;om:OM_Observation gml:id="analysis"&gt;       &lt;om:type xlink:href="http://codes.wmo.int/49-2/observation-type/iwxxm/1.0/AIRMETEvolvingConditionAnalysis"/&gt;       &lt;om:phenomenonTime nilReason="missing"/&gt;       &lt;om:resultTime&gt;         &lt;gml:TimeInstant gml:id="ti-201803300233Z"&gt;           &lt;gml:timePosition&gt;2018.03.30 02:33&lt;/gml:timePosition&gt;         &lt;/gml:TimeInstant&gt;       &lt;/om:resultTime&gt;       &lt;om:validTime xlink:href="#tp-20180330T0233Z-20180330T0633Z"/&gt;       &lt;om:procedure&gt;         &lt;metce:Process gml:id="p-49-2-AIRMET"&gt;           &lt;gml:description&gt;WMO No. 49 Volume 2 Meteorological Service for International Air Navigation APPENDIX 6-1 TECHNICAL SPECIFICATIONS RELATED TO AIRMET INFORMATION&lt;/gml:description&gt;         &lt;/metce:Process&gt;       &lt;/om:procedure&gt;       &lt;om:observedProperty xlink:href="http://codes.wmo.int/49-2/observable-property/AIRMETEvolvingConditionAnalysis"/&gt;       &lt;om:featureOfInterest&gt;         &lt;sams:SF_SpatialSamplingFeature gml:id="SI-Incheon"&gt;           &lt;sf:type xlink:href="http://www.opengis.net/def/samplingFeatureType/OGC-OM/2.0/SF_SamplingSurface"/&gt;           &lt;sf:sampledFeature&gt;             &lt;aixm:Airspace gml:id="d19f16a4-7c7e-4a2b-89df-418ffb06a12a"&gt;               &lt;aixm:timeSlice&gt;                 &lt;aixm:AirspaceTimeSlice gml:id="fir-RKRR-ts"&gt;                   &lt;gml:validTime/&gt;                   &lt;aixm:interpretation&gt;BASELINE&lt;/aixm:interpretation&gt;                   &lt;aixm:type&gt;FIR&lt;/aixm:type&gt;                   &lt;aixm:designator&gt;RKRR&lt;/aixm:designator&gt;                   &lt;aixm:name&gt;Incheon FIR&lt;/aixm:name&gt;                 &lt;/aixm:AirspaceTimeSlice&gt;               &lt;/aixm:timeSlice&gt;             &lt;/aixm:Airspace&gt;           &lt;/sf:sampledFeature&gt;         &lt;/sams:SF_SpatialSamplingFeature&gt;       &lt;/om:featureOfInterest&gt;     &lt;/om:OM_Observation&gt;   &lt;/iwxxm:analysis&gt; &lt;/iwxxm:AIRMET&gt; </pre>	

```
        </aixm:timeSlice>
      </aixm:Airspace>
    </sf:sampledFeature>
    <sams:shape nilReason="withheld"/>
  </sams:SF_SpatialSamplingFeature>
</om:featureOfInterest>
<om:result>
  <iwxm:EvolvingMeteorologicalCondition gml:id="emc-SFCVIS-OBS-RKRR-20180330T0233Z"
intensityChange="INTENSIFY" timeIndicator="OBSERVATION">
    <iwxm:geometry>
      <aixm:AirspaceVolume gml:id="av-SFCVIS-OBS-RKRR-20180330T0233Z">
        <aixm:horizontalProjection>
          <aixm:Surface axisLabels="Lat Lon"
gml:id="polygon-SFCVIS-OBS-position-RKRR-20180330T0233Z" srsDimension="2"
srsName="http://www.opengis.net/def/crs/EPSSG/0/4326" uomLabels="deg deg">
            <gml:polygonPatches>
              <gml:PolygonPatch>
                <gml:exterior>
                  <gml:LinearRing>
                    <gml:posList>123.98333 38.166668 123.583336 29.433332 128.45 34.710835 126.55
34.983334 126.61667 38.733334 123.98333 38.166668</gml:posList>
                  </gml:LinearRing>
                </gml:exterior>
              </gml:PolygonPatch>
            </gml:polygonPatches>
          </aixm:Surface>
        </aixm:horizontalProjection>
      </aixm:AirspaceVolume>
    </iwxm:geometry>
    <iwxm:directionOfMotion uom="deg">90.0</iwxm:directionOfMotion>
    <iwxm:speedOfMotion uom="[kn_i]">10</iwxm:speedOfMotion>
    <iwxm:surfaceVisibility uom="m">5000</iwxm:surfaceVisibility>
    <iwxm:surfaceVisibilityCause>FG/BR</iwxm:surfaceVisibilityCause>
  </iwxm:AIRMETEvolvingMeteorologicalCondition>
</om:result>
</om:OM_Observation>
</iwxm:analysis>
<iwxm:issueTime>20180330T0233Z</iwxm:issueTime>
</iwxm:AIRMET>
```