

**RESOLUTION ON**  
**COMPONENT PROCUREMENT**  
**FOR THE METEOSAT SECOND GENERATION (MSG) PROGRAMME**

**Adopted at the 27th Meeting of the EUMETSAT Council**  
**on 27-28 June 1995**

**The EUMETSAT Member States,**

**RECALLING** the Resolution to establish the MSG Programme and the implementation of the Demonstration Slice of the Programme which includes a financial contribution to the ESA programme for development of the MSG-1 satellite,

**RECOGNISING** that the MSG Programme will, subject to further authorisation of Council, include the manufacture of two follow-on satellites MSG-2 and MSG-3,

**BEARING IN MIND** the urgency to initiate the procurement of electronic components in order to safeguard the schedule and availability for launch of MSG-1,

**WISHING** to ensure the economic benefit to EUMETSAT in procuring the electronic components for MSG-2 and MSG-3 at the same time as those for MSG-1;

**AGREE:**

- I** to authorise the procurement of electronic components for MSG-2 and MSG-3, within a maximum limit of liability to EUMETSAT of 22.7 MECU at 1994 economic conditions,
- II** that the payment to ESA in 1995 for expenditure on procurement of electronic components for MSG-2 and MSG-3 shall not exceed 4.5 MECU and that this will be paid from funds available within the existing 1995 budget,
- III** that the limit of liability in I, above, is additional to the financial envelope of 352 MECU at 1992 economic conditions agreed for the Demonstration Slice of the MSG programme,
- IV** that this decision on component procurement does not prejudge a decision on the Operational Slice of the MSG programme.



**RESOLUTION ON**  
**THE APPLICABLE GNP SCALE**  
**OF CONTRIBUTIONS FOR THE PERIOD 1994 - 1996.**

**Adopted at the 27th meeting of the EUMETSAT Council**  
**on 27-28th June 1995**

**The EUMETSAT Council,**

**RECALLING** Resolution EUM/C/93/Res III on the Accession of Austria to the EUMETSAT Convention adopted at the 23rd Council meeting on 28 - 30 June 1993,

**NOTING** that the GNP scale of contributions contained in Resolution EUM/C/93/Res. III was based on preliminary GNP figures provided by OECD,

**TAKING INTO ACCOUNT** that the final figures provided by OECD have as a consequence a modification in the French and Greek rates of contributions applicable from 1 January 1994,

**WISHING** to confirm the correct applicable rates of contributions for Greece and France,

**AGREES:**

- I** That the correct GNP rate of contribution applicable to Greece for the period 1994-1996 is 0.96%.
- II** That the correct GNP rate of contribution applicable to France for the period 1994-1996 is 16.78%.
- III** To amend Chapters B, C, D, E and F of Annex II to the Convention as set out in Resolution EUM/C/93/Res. III in accordance with these corrected figures, with effect from 1 January 1994.



**RESOLUTION ON  
THE EUMETSAT POLAR SYSTEM**

**Adopted at the 27th meeting of the EUMETSAT Council  
on 27-28 June 1995**

**The EUMETSAT Council,**

**BEARING IN MIND** that polar satellites in both morning and afternoon orbits are essential for operational meteorology and that the morning orbit is of particular importance to Europe for geographical reasons;

**NOTING** with appreciation that the USA will provide operational meteorological observations from the morning polar orbit until the year 2000 and that the USA will continue to provide the operational meteorological observations from the afternoon orbit;

**CONSIDERING** the European need to ensure continuity of observations from the morning polar orbit;

**BEING AWARE** of the resolution of the ESA Council at ministerial level held in Granada concerning the development by ESA of a meteorological mission for morning polar orbit;

**WELCOMING** the offer of the USA and other European countries to provide instruments for the METOP mission;

**RECOGNISING** the important contribution to global meteorological and climate monitoring provided by the METOP series, in particular in relation to WMO programmes;

**RECOGNISING** that the METOP series represents the European contribution to a Joint Polar System, a second element of which will be provided by the USA;

**RECALLING** the Resolution EUM/C/92/Res.VIII concerning the EUMETSAT Polar System Preparatory Programme;

**NOTING** the complementary objectives of ESA and EUMETSAT concerning the development of space programmes and their operational exploitation;

**BEING INFORMED** of the ESA Executive's programme proposal ESA/PB-EO(94)100 rev 3 for the development of activities for the METOP series;

- I** Welcomes the progress made by the ESA Executive in conjunction with the EUMETSAT Secretariat in the preparatory activities leading to the establishment of the METOP series with the aim of launching the first satellite in 2001;
- II** Confirms its intention to cooperate with ESA in the development of the METOP series on the basis of the payload as defined in EUM/C/95/12. This is conditional on its feasibility being established, the mass and volume being compatible with dual launch on an Ariane 5, and schedule and cost forecasts being maintained;
- III** Confirms its intention to undertake its EPS Programme to provide operational instruments for accommodation on the METOP series, to develop a ground segment, to provide the launch services for the METOP series and to provide system commissioning and operations for 15 years;
- IV** Requests the EUMETSAT Secretariat to pursue negotiations with ESA, and for the two Agencies to jointly prepare a suitable legal framework and Mission Objectives setting out the responsibilities of the two Agencies to implement the above. The Mission Objectives shall be established on the basis that the EUMETSAT operational meteorological and climatological objectives take precedence throughout. Further objectives shall not impose constraints or risks to the Programme.

**RESOLUTION ON**

**THE EUMETSAT POLAR SYSTEM PROGRAMME**

**Adopted at the 29th meeting of the EUMETSAT Council  
on 29th November - 1st December 1995**

**The EUMETSAT Council,**

**RECOGNISING** the contribution to global meteorological and climate monitoring provided by the EPS mission, in particular in relation to WMO programmes;

**NOTING** that the USA will provide operational observations from the morning polar orbit only until the year 2000 and considering the USA will continue to provide the operational polar observation from the afternoon orbit;

**CONSIDERING** the importance to Europe of routine observations from the morning orbit;

**RECOGNISING** that the EUMETSAT Polar System represents the European contribution in the morning orbit to a Joint Polar System, the other element of which will be provided by the USA;

**BEING AWARE** of the need to continue without interruption ongoing industrial design and development activities in order to reach a first launch of the European contribution to a Joint Polar System in 2001;

**STRESSING** the need for the first launch in 2001 in order to provide continuity of observations in the morning polar orbit within the initial Joint Polar System and to take benefit from a dual launch with the satellite SPOT 5;

**EXPRESSING THE DESIRE** that the activities defined in the EUMETSAT Polar System as contained in the annexed framework are started as a matter of urgency;

**AGREES TO:**

**I** pursue with ESA a programme of 3 satellites which represents a descoping from the Venice proposal. This revised programme proposal is for a basic imagery and sounding payload with a limited climate payload as set out in Annex 1,

- II** invite ESA to redirect its industrial Phase B activities in accordance with the revised programme proposal as set out in Annex 1 and to be consistent with a Phase C/D start in January 1997,
- III** task the Director with completing the details of the Annex 1 in the form of a programme proposal for submission to the June 1996 Council meeting and opening for adoption the revised Programme Resolution at this June meeting,
- IV** task the Director with negotiating the necessary Cooperation Agreements with EUMETSAT's partners for a first submission in June 1996 and for approval at the December 1996 meeting,
- V** invite ESA to confirm agreement to undertake a complementary ESA programme in accordance with the revised programme proposal set out in Annex 1, with EUMETSAT having overall mission and system responsibility, and to confirm such agreement by the 1st February 1996 and to further undertake to open a Declaration by 1st June 1996,
- VI** invite ESA Member States ready to contribute ASCAT and/or MIMR as Announcement of Opportunity (AO) Instruments on the 3 satellites to confirm their commitment by the 1st February 1996,
- VII** task the Director to take the necessary action to maintain as a fall back baseline a programme based on his proposal of 29th November 1995.



**ANNEX**  
**FRAMEWORK FOR**  
**A**  
**REVISED EPS PROGRAMME PROPOSAL**

**1 MISSION OBJECTIVES SUMMARY**

The programme is established to respond to the following mission objectives:

**Essential Missions**

- Sounding,
- Imagery,
- Advanced Sounding,
- Data Collection.

**Climate Monitoring Mission:**

- Ozone monitoring.

**Other Missions:**

- Humanitarian,
- Space environment monitoring.

**2 PAYLOAD**

The following payload is considered to meet the above mentioned:

Essential Mission Objectives:

- AMSU,
- MHS,
- GPS,
- HIRS,
- AVHRR,
- IASI,
- DCS.

Climate Monitoring Mission:

- GOME.

Other Missions:

- S&R,
- SEM.

### **3 SPACE PLATFORM**

The satellite will be based on the METOP Service Module and a Payload Module derived from the technology studied/evaluated during the Phase B and re-tailored to the new payload mentioned above.

## **4 PROGRAMME CONTENTS**

### **4.1 Space Segment**

The programme includes:

Provision of 3 integrated European satellites (M1, M2 & M3),  
Provision of the payload for 3 European satellites through cooperation and/or direct EUMETSAT procurement,  
Provision of 2 dual and 1 single launch.

The programme will benefit from the simplification of the space segment together with the risk reduction associated with a reduced and recurrent payload.

### **4.2 Ground Segment**

The programme includes:

Ground Segment investment adapted to the reduced number of missions, including a financial provision for SAFs, i.e:

- Receiving stations (unchanged w.r.t previous programme assumptions)
- Mission and satellite control (slightly reduced w.r.t previous programme assumptions),
- Data pre-processing and archiving (slightly reduced w.r.t previous programme assumptions),
- IASI Ground Segment Element by CNES (unchanged w.r.t previous programme assumptions),
- Gateways with US/European Networks (unchanged w.r.t previous programme assumptions),
- Communications (slightly reduced w.r.t previous programme assumptions),

5 years of operations per satellite, including in orbit commissioning, until 2015.

## **5 COOPERATION**

EUMETSAT will establish Cooperation Agreements with:

- ESA for the development and procurement of the 1st satellite and by agreement procurement of the 2nd and 3rd integrated satellites on behalf of EUMETSAT,
- NOAA for the establishment of an Initial Joint Polar System, precursor of a Joint Polar System, including the provision of AVHRR, AMSU, HIRS, SEM and Search and Rescue (no exchange of funds),
- CNES/ASI for the provision of the IASI,
- CNES for the provision of DCS/Argos (no exchange of funds),
- CNES for the coordination of dual launches (no exchange of funds),
- ESA for the provision of GOME & GPS for M1.

## **6 PROCUREMENTS**

### **6.1 Space System**

The strategy for the procurement of the Space system takes into account:

- A redirection and extension until December 96 of the ESA METOP Phase B activities including the necessary measures to secure the validity of the industrial C/D cost estimates,
- Award of a Phase C/D ESA contract to the pre-determined Industrial consortium in line with the METOP Phase B activities and results thereby securing benefits of heritage and continuity.

### **6.2 Payload**

The procurement of the payload will be performed on a competitive Invitation To Tender basis and/or provision through international cooperation and/or national contribution.

### **6.3 Ground Segment**

The procurement of the ground segment and the operations will be performed on a competitive Invitation To Tender basis.



**RESOLUTION ON**  
**THE CEILING OF THE GENERAL BUDGET 1996-2000**

**Adopted at the 29th Meeting of the EUMETSAT Council  
on 29th November 1995 - 1st December 1995**

**The EUMETSAT Member States,**

**HAVING REGARD** to the EUMETSAT Convention, Annex I Chapter B stating that the General Budget will constitute the programmatic frame for all EUMETSAT core and prospective activities in 1990 and subsequent years,

**RECALLING** EUM/C/Res. XVIII establishing the first General Budget, a ceiling for the years 1990-1995 and contributions based on a GNP scale of contributions,

**EXPRESSING** the need to establish a new ceiling,

**AGREE:**

- I** to fix a new ceiling of the General Budget for the years 1996-2000,
- II** to link this ceiling to contributions from Member States on a GNP scale,
- III** to limit these contributions to 65.7 MECU at 1996 economic conditions.



**RESOLUTION ON  
THE MHS PROJECT FUNDING**

**Adopted at the 29th Meeting of the EUMETSAT Council  
on 29th November - 1st December 1995**

**The EUMETSAT Member States,**

**NOTING** with appreciation that the USA will provide operational meteorological observations from the morning polar orbit until the year 2000 and that the USA will continue to provide the operational meteorological observation from the afternoon orbit,

**RECOGNISING** the benefit of microwave humidity sounding to the meteorological community,

**RECALLING** the commitment of EUMETSAT to provide to the USA copies of the Microwave Humidity Sounder (MHS) in a time frame compatible with the launch of NOAA-N and N',

**EXPRESSING** the need to speed up activities related to the procurement of the MHS instrument in order to fulfil EUMETSAT's commitment in a timely and economical manner,

**AGREE:**

to contribute an amount of 21.8 MECU, at 1996 economic conditions, for an independent four years' development of the MHS instrument, to be exceptionally administrated as a distinct sub-envelope within the General Budget.





**RESOLUTION ON**  
**THE METEOSAT SECOND GENERATION**  
**PROGRAMME SECOND (OPERATIONAL) SLICE**

**Adopted at the 29th Meeting of the EUMETSAT Council**  
**on 29 November - 1 December 1995**

**The EUMETSAT Member States,**

**HAVING REGARD** to the Meteosat Second Generation Programme as adopted by the EUMETSAT Member States through Resolution EUM/C/92/Res.VI,

**NOTING** that the Meteosat Second Generation is being implemented in two slices, a Demonstration Slice and an Operational Slice, and that Council authorisation has already been given to implement the Demonstration Slice as from 1993,

**NOTING** that the contents of the Operational Slice are defined in the Resolution EUM/C/92/Res.VI,

**BEARING IN MIND** the need for a timely decision on the procurement of the MSG-2 and MSG-3 satellites in order to minimise procurement costs and also to ensure the availability of the satellites for the planned launch dates,

**AGREE:**

to authorise the implementation of the Second (Operational) Slice of the Meteosat Second Generation Programme within the overall programme ceiling of 1035 MECU at 1992 economic conditions.



**RESOLUTION ON**  
**EUMETSAT PARTICIPATION TO THE CONVENTION**  
**ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE**

**Adopted at the 29th Meeting of the EUMETSAT Council**  
**on 29th November - 1st December 1995**

**The EUMETSAT Member States,**

**CONSIDERING** the international cooperation in the space field;

**CONSIDERING** the usefulness of a registration system for space objects;

**RECOGNISING** the efforts of the United Nations regarding registration of spacecraft, as manifested by the Convention on Registration of Objects Launched into Outer Space and the resulting establishment of a central registry by the Secretary-General of the United Nations;

**CONSIDERING** that the European Space Agency has registered the already launched Meteosat Operational Programme satellites in the United Nations Registry on behalf of EUMETSAT;

**CONSIDERING** that the European Space Agency is not foreseen to register the Meteosat Transition Programme satellite on EUMETSAT's behalf;

**CONSIDERING** that a majority of the EUMETSAT Member States are Party to the Convention on Registration of Objects Launched into Outer Space and to the related Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies;

**AGREE:**

- I** That EUMETSAT declares its acceptance of the rights and obligations provided for in the Convention on Registration of Objects Launched into Outer Space in accordance with Article VII of said Convention and mandates the Director to undertake all necessary steps in this respect.
- II** That the Director sets up a registry within EUMETSAT covering satellites launched by EUMETSAT and that the Director informs the Secretary-General of the United Nations when such registry has been established.