

Source: FFG Chairman

Title: Year 2003 Budget and Partner Contributions

Agenda item: 6.3

Document for:

Decision	X
Discussion	
Information	

1 Year 2003 Budget

1.1 Support Budget

The 2003 MCC support budget was discussed and agreed in principle during OP#8 in St Paul de Vence (see report of OP#8 given in OP#8(02)09). The basis for the 2003 was recorded as below:

Budget Line	2003 proposed allocation at OP#8 (kEUR)
MCC Staff	1000
Additional support staff	150
MCC Contractors	1963
Travel and subsistence	700
Overheads	1784
Contingency	200
Sub Total	5 797

However, it was agreed to reduce the budget given above by a further 250 kEUR. The precise budget lines where further reductions should be made was left for the discretion of the MCC in consultation with FFG, but the aim was to retain the same service level within 3GPP wherever possible. The precise budget line allocations were derived as given in the following tables by FFG and should now be approved by this OP meeting.

Budget Line	2003 proposed allocation at FFG#10(kEUR)
MCC Staff	970
Additional support staff	150
MCC Contractors	1832
Travel and subsistence	680
Overheads	1706
Contingency	200
Sub Total	5 538

The revised support budget proposal given above is derived at **Annex A**:

1.2 Specific tasks budget

The Partners agreed to the following allocation for the continuation of Task 160 (TTCN).

Task description	Budget Allocation (kEUR)
TTCN for MS interoperability	445 (754 – 309 carried forward from 2002)
Sub Total	445

The following unused allocations were agreed to be carried forward from 2002 to 2003. (These allocations have already been funded by the Partners).

Task description	Budget Allocation carried forward from 2002 to 2003 (kEUR)
TTCN for MS interoperability	309
Default Codec Selection	160*
Sub Total	469

* An additional 34kEUR (voluntarily provided for a previous codec selection task) is likely to be added to this budget line, subject to the agreement of the contributors.

1.3 Total Budget

Total Budget (Support, Specific Tasks, and carry forward)	6 452 kEUR
--	-------------------

2 Partner contributions for 2003

The following tables give the contributions expected from the Organizational Partners in year 2003. These tables do not take into account the credit notes that may be issued in respect of the year 2002 surplus.

2.1 ARIB (21 Members in SA, CN RAN and T, and 0 Members in GERAN)

Budget category	Amount (k€)
Equal division of Support budget (RAN, T, SA, CN)	440,73
Proportional division of Support budget (RAN, T, SA, CN)	109,92
Equal division of Specific tasks budget (shared between ARIB and TTC)	55,63
Total	606,28
Deduction for provision of human resources	136,20
Amount due	470,08

2.2 CWTS (10 Members in SA, CN RAN and T, and 0 Members in GERAN)

Budget category	Amount (k€)
Single payment for 3GPP funding	300,00
Amount due	300,00

2.3 ETSI (362 Members in SA, CN RAN and T, and 57 Members in GERAN)

Budget category	Amount (k€)
Equal division of Support budget (RAN, T, SA, CN)	440,73
Proportional division of Support budget (RAN, T, SA, CN)	1894,82
Equal division of Support budget (GERAN)	207,68
Proportional division of Support budget (GERAN)	358,71
Equal division of Specific tasks budget	111,25
Amount due	3013,19

2.4 T1 (17 Members in SA, CN RAN and T, and 9 Members in GERAN)

Budget category	Amount (k€)
Equal division of Support budget (RAN, T, SA, CN)	440,73
Proportional division of Support budget (RAN, T, SA, CN)	88,98
Equal division of Support budget (GERAN)	207,68
Proportional division of Support budget (GERAN)	56,64
Equal division of Specific tasks budget	111,25
Amount due	905,28

2.5 TTA (10 Members in SA, CN RAN and T, and 0 Members in GERAN)

Budget category	Amount (k€)
Equal division of Support budget (RAN, T, SA, CN)	440,73
Proportional division of Support budget (RAN, T, SA, CN)	52,34
Equal division of Specific tasks budget	111,25
Total	604,32
Deduction for provision of human resources	136,2
Amount due	468,12

2.6 TTC (11 Members in SA, CN RAN and T, and 0 Members in GERAN)

Budget category	Amount (k€)
Equal division of Support budget (RAN, T, SA, CN)	440,73
Proportional division of Support budget (RAN, T, SA, CN)	57,58
Equal division of Specific tasks budget (shared between ARIB and TTC)	55,63
Amount due	553,93

2.7 Total income from Partners

Total Financial Payment from Partners = 5 710,6 kEUR

Value of voluntary resources from Partners = 272,4 kEUR

Total = 5 983 kEUR

Annex A Derivation of 2003 support budget

Proposed 2003 Support Budget	Budget allocation (kEUR)
MCC Staff 5 MCC Assistants @ 50k€ 5 MCC Officers @ 160 k€ Total = 1050 k€ (Subtract 50 k€ for non-3GPP activities (officers) and 30 k€ (assistant EF3) = 1050 – 80 = 970 k€)	970
Additional Staff 1 additional officer (Shicheng Hu) @ 150k€	150
MCC Contractors 14 Contractors @ 136,2 k€ Subtotal = 1907 k€ Subtract cost of non-3GPP Groups (TC MSG (15k), EP SCP (50k), EP RT (10k)) = 75 k€ MCC Contractor costs for 3GPP = 1907 – 75 = 1832 k€	1 832
Travel and subsistence Travel budget for MCC set at 700 k€ Subtract travel for non-3GPP Groups (TC MSG and EP SCP) = 20 k€ Resulting budget is 700-20 = 680 k€	680
Overheads Working Assumption for overheads (see Annex C) IT services = 780 Accommodation = 587 k€ Administration = 339 k€ Total = 780+587+339 = 1706 k€	1 706
Contingency	200
Total	5 538

Proposed 2003 Specific Task Budget	Budget Allocation (kEUR)
TTCN for MS interoperability	445
Sub Total	445

Task description	Budget Allocation carried forward from 2002 to 2003 (kEUR)
TTCN for MS interoperability	309
Default Codec Selection	160
Sub Total	469

Total Budget (Support, Specific Tasks, and carry forward)	6 452 kEUR
--	-------------------

Annex B Individual members in 3GPP, sorted by Organizational Partner

Individual Members - ARIB

Agilent Technologies Japan Ltd
 Anritsu Corporation
 Dai Nippon Printing Co., Ltd
 Fujitsu Limited
 Japan Radio Co., Ltd
 Japan Telecom Co. Ltd
 J-Phone Co., Ltd.
 Mitsubishi Electric Co.
 MOTOROLA JAPAN LTD
 NEC Corporation
 Nippon Ericsson K.K.
 Nokia Japan Co, Ltd
 NTT
 NTT DoCoMo Inc.
 Panasonic Mobile Comm.
 SAMSUNG Electronics Co.
 SHARP Corporation
 Sony Ericsson Mobile
 TEXAS Instruments
 Toshiba Corporation
 Yokogawa Electric Corporation
Total : 21 Individual Members

Individual Members - CWTS

Beijing Pacific LinkAir
 CATT
 China Mobile Com. Corporation
 Eastern Communications Co Ltd
 HuaWei Technologies Co., Ltd
 Jin Peng Mobile Comm. System
 RITT
 SHANG HAI BELL
 XOCECO Mobile Comm. Equip. Co
 ZTE Corporation
Total : 10 Individual Members

Individual Members – ETSI

3
 3G.COM (UK) LTD

7 LAYERS AG
 ACCESS Systems Europe GmbH
 ACTERNA Eningen GmbH
 ADC Telecommunications LTD
 Adjungo Networks Inc
 ADVANCED MICRO DEVICES (UK)
 ADVANTEST Europe R&D
 AePONA LTD
 AERIAL FACILITIES Ltd
 Agere Systems Deutschland GmbH
 AGILENT TECHNOLOGIES LTD
 Airdata AG
 AirNet Communications Corp.
 AIRTEL Movil SA
 ALCATEL BELL
 ALCATEL Italia SpA
 ALCATEL S.A.
 ALCATEL SEL AG
 ALLGON AB
 AlphaCell
 Amdocs Software Systems Ltd
 AMENA
 ANALOG DEVICES
 Anite Telecoms Ltd.
 ANRITSU LTD
 Anthropics Technology Limited
 Appium Technologies
 Apple Computer Inc
 AQSACOM S.A.
 ARAN TECHNOLOGIES
 ARGUIN Communications
 ARM Limited
 ArrayComm, Inc
 ASPECTS Software
 ASUSTeK Computer Inc.
 ATMEL
 AudioCodes Ltd
 AVITEC AB
 Bamboo MediaCasting
 BELGACOM
 BENQ Corporation
 Bijitec Pte Ltd
 BitFlash Inc
 BMWi
 BOUYGUES Telecom
 BT Group Plc

BULL S.A.
Cable & Wireless plc.
CADZOW COMMUNICATIONS
Cambridge Positioning Sytems
Canon CRF
CCL/ITRI
CCSR
C-DOT
CEGETEL
Cellglide
CELLON FRANCE S.A.S
CESG
CETECOM GmbH
CG Maersk
Cisco Systems France
CMG
Coding Technologies
Cognizant Technology Solutions
CommWorks Corporation
COMNEON GmbH & Co
Comsys Communication
Comverse Network Systems
CONEXANT SYSTEMS SAS
Convergelabs GmbH
COSMOTE S.A.
Dai Telecom srl
DaimlerChrysler AG
Danish Wireless Design A/S
Dansk MobilTelefon I/S
DENSO Europe B.V.
Deutsche Telekom AG
Digital World Services GmbH
DIGITEL TELEKOM
DoCoMo Europe S.A.
Dolby Laboratories Inc.
DTI
Eads Telecom Deutschland GmbH
EADS TELECOM ESPANA
EADS/DSN
EIRCOM
Elektrobit Ltd.
Elisa Communications Corp.
Emblaze Systems
EMC2
Enuvis Inc.
EPCOS AG
ERICSSON L.M.
ETISALAT
ETRI
EUSKALTEL S.A.
EXPWAY
Faith Inc.
FEEI
fg microtec GmbH
FICORA
Finnet Group
First Hop Ltd.
Flarion Technologies
FOKUS
France Telecom
Fraunhofer Gesellschaft
FUJITSU Laboratories of Europe
GEMPLUS Card International
GIESECKE & DEVRIENT GmbH
GIGA STREAM UMTS
Global Locate Inc.
GOLDEN BRIDGE TECHNOLOGY INC.
Grayson Wireless
H3G SpA
HEWLETT-PACKARD France
HITACHI Europe Ltd
HotSip AB
HUAWEI TECHNOLOGIES Co. Ltd.
HUGHES Network Systems Ltd
Hughes Software System Ltd
IAEI
IBM EUROPE
ICO Services Ltd
ICP-ANACOM
ICR
IFR LTD
IICS AG
I'M Technologies Pte Ltd
IMST GmbH
INCARD SpA
Incomit AB
INFINEON TECHNOLOGIES
Inmarsat
INRIA
Integrated Silicon Systems Ltd
INTEL CORPORATION SARL
Intel Sweden AB
INTERDIGITAL COMMUNICATIONS
InterVoice-Brite Ltd
InterWAVE Com. Intern. B.V.
IPWireless Inc.
ITALTEL SpA
Jinny Software Ltd
July Systems Inc
Kevab
KEYCORP Ltd
KPN N.V.
LITHUANIAN STANDARDS BOARD
LOGICA
Lucent Technologies
Lucent Technologies B.V.
Lucent Technologies N. S. UK
Magic4 Limited
MAOSCO LIMITED
MARCONI COMMUNICATIONS
MASON COMMUNICATIONS Ltd
MATAV

Materna GmbH
 MAXON Telecom A/S
 Megisto Systems Inc.
 Metawave Communications Corp.
 Microelectronica Espanola SA
 MICROSOFT EUROPE SARL
 MIKOM GmbH
 Ministère Délégué à l'Industri
 MINISTERO DELLE COMUNICAZIONI
 MITSUBISHI Electric Telecom
 mmO2 plc
 Mobile-Mind Inc.
 MOBILINK TELECOM INC.
 Mobility Network Systems
 MOBITEL d.d.
 Mobixell Networks
 Modem-Art Ltd.
 MORPHICS TECHNOLOGY Inc.
 MOTOROLA A/S
 MOTOROLA GmbH
 MOTOROLA Ltd
 MOTOROLA S.A.S
 MOTOROLA SEMICONDUCTOR ISRAEL
 National Communications System
 National Semiconductor Corp.
 NEC Electronics (Europe) GmbH
 NEC EUROPE LTD
 NEC Technologies (UK) LTD
 NETCOM GSM A/S
 NetHawk
 NeuStar Inc.
 NIIR
 NOKIA Corporation
 NOKIA GmbH
 NOKIA UK Ltd
 NORTEL NETWORKS (EUROPE)
 Nortel Networks Germany GmbH
 Northstream AB
 Norwegian P & T Authority
 NTL
 NTT DoCoMo
 OBERTHUR CARD SYSTEMS S.A.
 OFCOM
 ÖFEG
 OFFICE OF TELECOMMUNICATIONS
 Openet Telecom
 Openwave Systems (N.I.) Ltd
 ORANGE FRANCE
 ORANGE PCS LTD
 ORGA Kartensysteme GmbH
 Orga Test Systems GmbH
 OSKAR Cesky Mobil a.s.
 OSS Nokalva
 PA Consulting Services Ltd
 PacketVideo Corporation
 PANAFON SA
 Panasonic (MMCDE)
 PANASONIC Deutschland GmbH
 PANASONIC MOBILE COMMUNICATION
 PHILIPS Communication Systems
 PHILIPS Consumer Electronics
 PHILIPS Semiconductors
 PHILIPS SEMICONDUCTORS SOPHIA
 PicoChip Designs Limited
 PIDS
 PLANTRONICS LTD
 PMC-Sierra, Inc.
 PMNS GmbH
 POLKOMTEL S.A.
 Polska Telefonía Cyfrowa
 Portal Software Inc
 PORTUGAL TELECOM SGPS SA
 ProQuent Systems Corporation
 PTK CENTERTEL
 Purple Labs
 QINETIQ
 QUALCOMM EUROPE S.A.R.L.
 QuickSilver Technology Inc.
 RACAL INSTRUMENTS LTD
 Radio Frequency Investigation
 RadioScape Limited
 RealNetworks
 Redknee Inc.
 RIM
 RITT
 ROBERT BOSCH GmbH
 ROHDE & SCHWARZ
 ROHM LSI SYSTEMS (SAS)
 SAGEM Group
 SAMSUNG Electronics
 Sandbridge Technologies Inc.
 SASKEN COMMUNICATION TECHN.LTD
 SBC Technology Resources
 SCHLUMBERGER
 SchlumbergerSema
 Setcom GmbH
 SETEC OY
 SHARP Manufacturing France S.A
 Sharp Telecommunications
 SIEMENS AG
 SIEMENS ATEA NV
 SIEMENS Mobile Communications

Sierra Wireless Inc
 SiGe Semiconductor (Europe) Ltd
 SIGOS Systemintegration GmbH
 SiRF Technology Inc
 Smart Trust AB
 SOLINET GmbH
 SONY BPE
 SONY INTERNATIONAL (EUROPE)
 Spirent Communications
 Spreadtrum Communications
 SSH Communications Security
 STMicroelectronics
 Sun Microsystems Ltd
 SWAPCOM
 SWISSCOM
 SYMBIAN Ltd.
 SYNOPSIS GmbH
 Systemonic AG
 Tahoe Networks Oy
 Tality UK Limited
 Taral Networks
 Tata Consultancy Services
 TDC Switzerland AG
 TDC TELE DANMARK A/S
 TDF
 TDK ELECTRONICS IRELAND Ltd
 TECNOMEN OY
 tecways AG
 TEKELEC Network
 TEKMAR Sistemi Srl
 TEKTRONIX GmbH & Co KG
 Teleca
 TELECOM ITALIA S.p.A.
 Telecom Modus Ltd.
 TeleCommunication Systems
 Teledesic LLC
 TELEFONICA de España S.A.
 Telekom Austria AG
 TELELOGIC AB
 TELENOR AS
 TELEPLAN AS
 TeliaSonera AB
 TELITAL R&D DENMARK A/S
 TELKOM SA LIMITED
 TELLABS OY
 TELSIM
 Telstra Corporation
 Teltier Technologies
 Tesaria Inc.
 TEXAS Instruments
 Texas Instruments A/S
 Texas Instruments Berlin AG
 THALES
 THOMSON Multimedia
 Tieto Enator Technical Cons.
 T-Mobile (UK)
 T-Mobile AUSTRIA
 T-MOBILE DEUTSCHLAND
 TNO
 Tornado Development
 TOSHIBA Electronics Europe
 TOSHIBA RESEARCH EUROPE LTD
 Transat Technologies
 TruePosition Inc.
 TTPCom Ltd
 UbiNetics Ltd
 Ubiquity Software Corporation
 UDcast
 ULB-STC
 Ulticom Europe
 Unisys Deutschland GmbH
 URTIP
 Usha Communications Technology
 UTStarcom
 VeriSign Switzerland SA
 VIA Technologies Inc
 VIPnet d.o.o.
 Vodafone D2 GmbH
 VODAFONE Group Plc
 Vodafone Ireland Plc
 Vodafone Libertel
 VODAFONE LTD
 Vodafone Omnitel N.V
 Vodafone Sverige AB
 VoiceAge Corporation
 VTT
 WatchMark Corp.
 WaterCove Networks Inc.
 WAVECOM
 White Obsidian Ltd
 WIND TELECOMUNICAZIONI SPA
 Wintegra Inc.
 WINTER AG
 Wipro Limited
 XACCT
 XIRCOM, an Intel company
 XPonCard
 Xtempus Ltd
 Zarlink Semiconductor Ltd
 ZoomON AB
Total : 362 Individual Members

Individual Members – TTA

Ericsson Korea
 ETRI
 KT ICOM
 LG Electronics Inc.
 LG TeleCom
 Nextreaming Corp.
 Nokia Korea
 Samsung Electronics Co., Ltd
 Sewon Telecom
 SK Telecom

Total : 10 Individual Members

Individual Members – TTC

Fujitsu Limited
 Japan Telecom Co. Ltd
 J-Phone Co., Ltd.
 Mitsubishi Electric Corp
 NEC Corporation
 Nippon Ericsson K.K.
 Nippon information Technology
 NTT
 NTT COMWARE Corporation
 NTT DoCoMo Inc.
 Panasonic Mobile Communication

Total : 11 Individual Members

Individual Members – T1

AT&T Wireless Services, Inc.
 Beatnik, Inc.
 Cingular Wireless LLC
 Cisco Systems
 dynamicsoft Inc.
 Ericsson Inc.
 Juniper Networks
 Lucent Technologies
 Motorola Inc.
 Nokia Telecommunications Inc.
 Nortel Networks
 Rogers Wireless Inc.
 SBC Communications Inc.
 Skyworks Solutions Inc.
 SnowShore Networks, Inc.
 Telcordia Technologies Inc.
 T-Mobile USA Inc.

Total : 17 Individual Members

GERAN participation from ETSI Members

Alcatel SA
 Alcatel SEL AG
 Anite Telecoms Ltd
 AU-SYSTEM
 BLU S.p.a
 BT Group Plc
 BMWi
 Bouygues Telecom
 CETECOM GmbH
 Dansk MobilTelefon I/S
 Enuvis Inc.
 E-Plus Mobilfunk
 Ericsson L.M.
 France Telecom
 Hutchison 3G UK Limited
 Intel Sweden AB
 Interdigital Comm.
 Lucent Technologies B.V.
 Lucent Technologies N.S. UK
 Matsushita Comm.
 mDiversity Inc.
 Mitsubishi Electric Telecom
 Motorola A/S
 Motorola GmbH
 Motorola S.A.
 Motorola Ltd
 Nokia Corporation
 Nokia UK Ltd
 Nortel Networks (EUROPE)
 NEC EUROPE LTD
 One 2 One Personal Comm. Ltd
 Orange France
 ORANGE PCS LTD
 Philips Consumer Comm.
 Philips Semiconductors
 Qualcomm Europe S.A.R.L.
 Setcom GmbH
 RIM
 ROHDE & SCHWARZ
 SAGEM Group
 SHARP Manufacturing France S.A.
 SiRF Technology Inc.
 Siemens AG
 Siemens ICN S.p.A
 Sonera Corporation
 Telecom Italia S.p.A.
 Telekom Austria AG

Telefonica De ESPAÑA SA
Telesystem International
Telia AB
T-Mobile Deutschland
Trueposition Inc.
TTP Com Ltd.
Vodafone D2 GmbH
Vodafone Group Plc
Vodafone LTD
Xircom, an Intel company
Total : 57 Individual Members

GERAN participation from T1 Members

AT&T Wireless services Inc.
Cingular Wireless LLC
Ericsson Inc.
Lucent Technologies
Motorola Inc.
Nokia Telecommunications Inc.
Nortel Networks
RealNetworks
Rogers Wireless LLC
Total : 9 Individual Members

3GPP/OP#9 Meeting
Ottawa, Canada
2 May 2003

3GPP/OP#9(03)08

4 April 2003
page 12 of 13

Annex C Extract from ETSI GA40(02)09 (Annex 3)
showing derivation of Overhead expenses

(See OP10_08b)

ANNEX 3 - Breakdown of Expenses among Cost Centres:

TABLE 3.1 : ALLOCATION OF COSTS AND SPECIFIC INCOME TO COSTS CENTRES

Cost Centres / SFA's		" OCC " Overhead Cost Centres				" SCC " Supporting Cost Centres				" FCC " Functional Cost Centres				Technical Organisation					Non-Core Activities				Total				
Department		FAS				SMS	CPM	FAS	M&D		DIR	CPM	M&D									M&D					SFAs & FCCs
		Not Charged	Admin.	Accommodation	IT Service	OCCs	SMS	Experts' support	Meet. Sup.	Technology Promotion	SCCs	Direct.	Ext. Co.	Institute Promotion	FCCs	MCC	Plug Tests	PTCC	FWP	TBs	TO	EDS Service	E3GPP Friends	Special Projects	Non-Core		
Primary Costs																											
Secretariat:																											
Salaries			521	98	1 476	2 095	2 132	490	140	457	3 219	1 130	442	196	1 767	16	165	49		49	230	83			83	7 395	
Travel			5		5	9	163	20		40	223	96	60	26	183			25		25	25					440	
Non-salary Costs		40	590	1 835	1 215	3 640			140	315	455			60	60	50	610	25	25	50	710	80	200	1 170	1 450	6 355	
Sub-total Secretariat		40	1 116	1 933	2 696	5 745	2 295	510	280	812	3 897	1 226	501	282	2 010	66	775	98	25	123	964	163	200	1 170	1 533	14 190	
Sub-total MCC															4 425						4 425					4 425	
Sub-total PTCC															133		1 193			1 193	1 325					1 325	
Sub-total RFWP																			1 950	1 950	1 950					1 950	
Sub-total Plugtests/ SPs																											
Sub-total		40	1 116	1 933	2 696	5 745	2 295	510	280	812	3 897	1 226	501	282	2 010	4 624	775	1 291	1 975	3 266	8 664	163	200	1 170	1 533	21 890	
Primary Costs		40	1 116	1 933	2 696	5 745	2 295	510	280	812	3 897	1 226	501	282	2 010	4 624	775	1 291	1 975	3 266	8 664	163	200	1 170	1 533	21 890	
Allocation OCC	Key																										
Sub-total							990	228	65	212	1 495	525	205	91	821	1 706	77	576	906	1 482	3 265	39			39	5 620	
Primary + allocated Costs of OCC		40					3 285	738	345	1 025	5 393	1 751	707	374	2 831	6 330	851	1 867	2 881	4 748	11 929	202	200	1 170	1 572	21 765	
Allocation SCC	Key																										
SMS	time															229					3 056					3 285	
Experts' Support	Time/mdl															74		192	472		664					738	
Meeting Support	primary cost										275				275	30					40					345	
Market Access	primary cost															400		200	200		400					800	
Sub-total											275				275	733		392	672		4 160					5 168	
Primary + allocated Costs of OCC and SCC											2 026	707	374	3 106	7 063	851	2 260	3 553	8 908	16 822	202	200	1 170	1 572	21 540		
Specific Funding	Key																										
EC/EFTA Secretariat				125	125					225	225															350	
EC/EFTA e-Europe																450	100	1 335		1 435	1 885					1 885	
EC/EFTA				125	125				225	225							450	100	1 335		1 435	1 885				2 235	
Others															3 035	450					3 485	550	200	1 170	1 920	5 405	
Sub-total				125	125				225	225					3 035	900	100	1 335	1 435	5 370	550	200	1 170	1 920	7 640		
Net Costs		40	1 116	1 933	2 571		3 285	738	345	800	5 168	2 026	707	374	3 106	4 028	-49	2 160	2 218	7 473	11 452	-348			-348	13 900	