

Link with allocation strategy:

Project Proposal Coordination Saves Lives Requesting Organization: World Food Programme Allocation Type: 1st Round Standard Allocation **Primary Cluster** Sub Cluster Percentage **EMERGENCY** 100.00 **TELECOMMUNICATIONS** 100 Project Title: Emergency Telecommunications Cluster Activities and Services in Support of the Humanitarian Community in South Sudan Allocation Type Category: **OPS Details** Project Code : Fund Project Code : SSD-16/HSS10/SA1/ETC/UN/785 Cluster: Project Budget in US\$: 250,013.60 Planned project duration: 12 months Priority: Planned Start Date : 01/01/2016 Planned End Date: 31/12/2016 **Actual Start Date:** 01/01/2016 Actual End Date: 31/12/2016 **Project Summary:** Activated in 2011, the ETC has built up over four years of operational presence in South Sudan providing vital emergency telecommunications services to the humanitarian community. This includes radio communications, Internet connectivity, renewable power, technical support, and capacity building. The ETC has been key in the overall coordination of emergency telecommunications services which, in addition to the lack of technical expertise at the field level, continues to be a challenge. Responding to these needs, the ETC 2016 strategy focuses on supporting the humanitarian community through coordination, partnership building and service brokerage. Although the ETC will hand-over the management of its internet services to identified on-site lead organizations, it will continue to provide leadership and support to all common ICT projects as well as exploring new required activities and services. The ETC will also maintain its key function of provider of last resort, strategically prepositioning equipment for fast deployment as required. Humanitarian leader and focal-point in telecommunications, the ETC will continue strengthening its partnership with the Ministry of Telecommunications, the private sector and local relief actors. Responding both in government and opposition areas, also raising awareness and sensitizing the relief organization for South Sudan in emergency telecommunications infrastructures and services. Where possible, the ETC will collaborate with other Clusters, as Education and Health, as well as other working group, as the Communication with Communities Working Group (CwCWG), to jointly explore how innovative services and technical solutions may provide relief to the affected population of South Sudan. In order for this transition to be achieved successfully, the ETC will conduct in-depth assessments and invest in decentralized capacity building activities, reaching-out to humanitarians responding in deep field locations and in strategic humanitarian hubs. Direct beneficiaries : Women Girls Men Total **Boys** 120 0 0 0 120 Other Beneficiaries: Beneficiary name Men Women Boys Girls Total Aid Agencies 120 0 0 0 120 0 0 Children under 5 0 0 0 0 0 Internally Displaced People 0 0 0 People in Host Communities 0 0 0 0 0 Indirect Beneficiaries : Catchment Population:

The cluster will provide vital data connectivity and security telecommunication services to enable humanitarian actors to deliver lifesaving services to the affected people and communities and ensure safety and security of staff. To maximize limited resources, priority will be given to locations with presence of more than three humanitarian organizations with more than 20 staff on the ground. The cluster will introduce HISP (Humanitarian Internet Support Project) on a cost sharing Model where ETC does not exist to bridge the gap in Data services. The cluster will also leverage on existing infrastructure of agencies to provide self-reliant data connectivity services through a cost sharing modality. The cluster will conduct frequent needs assessments to ensure that the Training services being provided are meeting the needs of humanitarian actors. The Training will be conducted based on the gaps and needs of the actors, Methods, tools and systems will be put in place to monitor and provide quality assurance and performance of the Trainee. a decentralized Training will enable Trainee from most affected locations in South Sudan to learn the new technology with Digital Mobile Radios (DMR). A periodic assessment will be carried out to identify the needs for training opportunity to enhance the skills of staff and users of the services. The cluster will contribute primarily to Strategic Objectives 1 and 3 of the Strategic Response Plan. Its specific objectives are to: 1.) Coordinate and support the humanitarian community in the assessment, deployment and development of emergency telecommunications services for reliable access to security communications and key information; facilitate inter-agency projects as well as evaluate expansion of ETC services to affected population. 2) Establish contingency stocks of ETC equipment in country to response to critical ICT requirements in identified common operational areas.

3) Provide the humanitarian community with capacity-building opportunities in emergency telecommunications sector.

Sub-Grants to Implementing Partners:

Partner Name	Partner Type	Budget in US\$

Other funding secured for the same project (to date):

Other Funding Source	Other Funding Amount

Organization focal point:

Name	Title	Email	Phone
Richard EGWANGU	ETC Coordinator	richard.egwangu@wfp.org	+211922700701
Solomon WELLE	Inter-Agency Project Manager	solomon.welle@wfp.org	+211922465478

BACKGROUND

1. Humanitarian context analysis

South Sudan has one of the most underdeveloped communications technology infrastructures in the world. Years of civil conflict and warfare have inhibited growth across the sector, discouraging both public and private investments. The absence of a national communications backbone, the unreliability of the minimal mobile network and the lack of access to conventional power sources creates a challenging starting point for the deployment of telecommunications services. Since the eruption of the conflict, what little telecommunications infrastructure existed has been damaged or destroyed. Especially in opposition-controlled areas, a critical lack of telecommunications infrastructure, and therefore minimal access to life-saving information, severely affects both the effectiveness of the humanitarian response and the ability of the affected population to recover.

2. Needs assessment

3. Description Of Beneficiaries

For the implementation of its Project, the ETC will provide services primarily to the humanitarian organizations operating in South Sudan, with a focus on national NGOs and partners responding in deep field locations. Where possible, the ETC will collaborate with other Clusters and partners to jointly explore how innovative IT services may provide relief to the affected population of South Sudan.

4. Grant Request Justification

: ETC needs to continue to have contingency stock ready for deployment and provision of services as a provider of last resort in an emergency situation, therefore that will help in enhancing the overall efficiency and effectiveness of the operation and enable a more stream-lined and structured response in Data services. Improved ETC Services coordination with different actors will enhance better relationship and centralized access to information. ETC is moving forward from a centrally funded basic emergency connectivity services to a more permanent, reliable data connectivity services, which will be based on cost-sharing model. With the number of partners increasing on ground and for the enhanced safety of staff and assets, introduction of improved ICT technology like Digital Mobile Radio has been taken over under Inter Agency Cost sharing Model, Decentralized Capacity development is another main area of focus for ETC in South Sudan

5. Complementarity

LOGICAL FRAMEWORK

Overall project objective

For the safety of the humanitarian community and an efficient emergency response, the ETC identifies its key role in providing overall coordination and support for the implementation and maintenance of common radio communications and internet connectivity services

EMERGENCY TELECOMMUNICATIONS	EMERGENCY TELECOMMUNICATIONS											
Cluster objectives	Strategic Response Plan (SRP) objectives	Percentage of activities										
CO1: Coordinate and support the humanitarian community in the assessment, deployment and development of emergency telecommunications services for reliable access to security and key information	HRP 2016 SO1: Save lives and alleviate suffering through safe access to services and resources with dignity	50										
CO2: Mange inter-agency projects for the provision of advanced emergency telecommunications services to the humanitarian community, also benefitting the affected population	HRP 2016 SO1: Save lives and alleviate suffering through safe access to services and resources with dignity	30										
CO3: Provide the humanitarian community with capacity-building opportunities in emergency telecommunications	HRP 2016 SO1: Save lives and alleviate suffering through safe access to services and resources with dignity	20										

<u>Contribution to Cluster/Sector Objectives:</u> 1) Create the necessary synergies to maximize the overall emergency telecommunications resources and capacity, avoiding overlaps, achieving a safer operational environment and greater access to information for the humanitarian community. Evaluate expansion of ETC services to affected population

Outcome 1

1-Coordinate and support the humanitarian community in the assessment, deployment and development of emergency telecommunications services for reliable access to security communications and key information; facilitate inter-agency projects as well as evaluate expansion of ETC services to affected population

Output 1.1

Description

Create the necessary synergies to maximize the overall emergency telecommunications resources and capacity, avoiding overlaps, achieving a safer operational environment and greater access to information for the humanitarian community. Evaluate expansion of ETC services to affected population

Assumptions & Risks

- Individual UN and NGO partners developed and will continue to develop strong IT expertise
- Private service providers will service humanitarians in always deeper and more remote field locations
- Operational response will be increasingly decentralised with greater IT support needed at the local level
- Deterioration of the security situation impeding private service providers to service volatile locations where a prompt humanitarian response is needed
- Lack of stability, initial resources, capacity and expertise at the field level for an inter-agency approach to be successful
- Rapid deployment needs impeding an inter-agency coordinating approach

Activities

Activity 1.1.1

Activity 1.1.1

Technical support for the deployment of new humanitarian locations

Activity 1.1.2

Coordination of Inter-Agency Projects: HISP & Digital Mobile Radio

Activity 1.1.3 Service brokerage

Activity 1.1.4

Support in the delivery of services for affected population

Indicators

			End	cycle ber	neficiar	ies	End cycle
Code	Cluster	Indicator	Men	Women	Boys	Girls	Target
Indicator 1.1.1	EMERGENCY TELECOMMUNICATIONS	Frontline # sites with access to internet and radio communications through interagency projects					120

Means of Verification: # of assessments provided in support of telecommunications services deployment

Outcome 2

2-Establish contingency stocks of ETC equipment in country to response to critical ICT requirements in identified common operational areas.

Output 2.1

Description

Readiness to support the response community in common sites where ICT needs are required

Assumptions & Risks

Sudden upsurge of violence impeding the service of a relevant site, the looting of the equipment or the sudden evacuation of a site and abandon of all equipment.

Activities

Activity 2.1.1

Preposition 3 ETC sites with critical emergency ICT stock

Indicators

			End	cycle ber	neficiar	ies	End cycle
Code	Cluster	Indicator	Men	Women	Boys	Girls	Target
Indicator 2.1.1	EMERGENCY TELECOMMUNICATIONS	Frontline # ETC response kits prepositioned					3

Means of Verification: Preposition 3 ETC sites with critical emergency ICT stock

Outcome 3

Provide the humanitarian community with capacity-building opportunities in the emergency telecommunications sector.

Output 3.1

Description

Improve and decentralize the overall knowledge of emergency telecommunications services, tools and mechanisms for both humanitarians and IT officers to allow a more efficient and prompt response, especially at the field level, and best use of limited resources.

Assumptions & Risks

Difficulties in getting balanced Men to Women ratio, with good technical background

Activities

Activity 3.1.1

Activity 3.1.1

Radio trainings for users

Activity 3.1.2

Technical trainings of trainers

Activity 3.1.3

Workshops for all IT actors, including the public and private sectors

Indicators

			End cycle beneficiaries				End cycle
Code	Cluster	Indicator	Men	Women	Boys	Girls	Target
Indicator 3.1.1	EMERGENCY TELECOMMUNICATIONS	Frontline # of humanitarians trained in radio communications					1,200

Means of Verification: : comprehensive training reports and feedback survey

Additional Targets:

M&R

Monitoring & Reporting plan

Most indicators are connected to reports from the running PHCC and are part of the standard procedures that SOH staff are performing. the ETC Services are humanitarian services, feedback are always taken from the users to confirm the quality of services being provided, There is always periodic on sites visits, we usually send an online survey to our partners.

Workplan

Activitydescription	Year	1	2	3	4	5	6	7	8	9	10	11	12
Activity 1.1.1: Activity 1.1.1 Technical support for the deployment of new humanitarian locations Activity 1.1.2 Coordination of Inter-Agency Projects: HISP & Digital Mobile Radio Activity 1.1.3 Service brokerage Activity 1.1.4 Support in the delivery of services for affected population	2016		X	X	X	X	X	X	X	X	X	X	Х
Activity 2.1.1: Preposition 3 ETC sites with critical emergency ICT stock	2016		Х	Х	Х	Х	X						
Activity 3.1.1: Activity 3.1.1 Radio trainings for users Activity 3.1.2 Technical trainings of trainers Activity 3.1.3 Workshops for all IT actors, including the public and private sectors	2016		X	X	X		X	X	X		X	X	X

OTHER INFO

Accountability to Affected Populations

The ETC services are deployed among the communities although the communities are not direct beneficiary but to some extent they benefit, for example, when the affected are provided with work opportunity among the responding partners, they equally get access to internet..

90 % of the ETC Training are focused on the affected population, with 10 % are sectored for women.

Implementation Plan

The decentralized capacity building strategy is focused on the National staff (South Sudan), skills are taken to the community

Coordination with other Organizations in project area

Name of the organization	Areas/activities of collaboration and rationale
Government	Coordination
UNDSS, UNICEF, UNHCR	Security Telecommunication (Radio Room Management)
Luxumberg Government and Ericson Response	Donation ,Data Connectivity Equipments and user Management
NGOs Forums	Information Management

Environment Marker Of The Project

Gender Marker Of The Project

2a-The project is designed to contribute significantly to gender equality

Justify Chosen Gender Marker Code

in decentralized Capacity building the ratio of women to men to be trained is 1:3, based on the minimal requirements

Protection Mainstreaming

Country Specific Information

Safety and Security

Access

BUDGET

Code	Budget Line Description	D/S	Quantity	Unit cost		% charged to CHF	Total Cost
Staff an	nd Other Personnel Costs						
1.1	ETC Coordinator	D	12	17,97 5.00	1	25%	53,925.00
	-Responsible for all ETC Activities coordination						
1.2	Information Management and M&E	D	12	8,000 .00	1	50%	48,000.00
	-Responsible for General ETC Information Management and H	e/She N	nonitors an	d Evalu	ate the activ	ities on the	ground.
1.3	IT Operation Associate	D	12	3,500 .00	1	50%	21,000.00
	-Responsible for Provision of technical Support and responding	g to Eme	ergency res	ponse i	nstallation.		
	Section Total						122,925.00
Equipm	nent						
3.1	INFOTMATION TECHNOLOGY EQUIPMENTS	D	1	47,53 3.00	1	25%	11,764.42

	IT Equipment Unit Cost Printer (stand alone 2055 - B&W) 624 Printer (Network HP4015N - B&W) 1,670 Multifunction FAX/SCANNER/PRINTER (HP 6500) 417 Standard Laptop KIT (laptop, bag, port replicator) 1,253 Desktop work station computer kit (780) 831 Server, PowerEdge 2800, 3.4 Ghz, 2GB DDR, w/ 17" LCD 5,77 RACK 19" - 42 U, Dell 4,224 PABX, BP50, 40 d ext, 4 a ext, 8 a trunk, RJ45 pach,Ericsson 4 PABX, BP250, 96 d ext, 16 a ext, 8 a trunk, E1, RJ45 pach,Aas Vsat, (Foodsat) Quick Deployment Kit, NP Stand, Rack, UPS, II Vsat/I-direct (BITSAT), Split 2.4 m Patriot Antenna, Instal. kits, a Teleconference unit w/ 2 external Mics & power supply 220 V P Data Flyaway Kit, Small (2 boxes) 30,000 IT Equipment Total	1,852 tra 9,9. nstal. k and wir	its, EMC 30 eless route	1,230 r, ASG 13,	551		
3.2	COMMUNICATION EQUIPMENTS	D	1	58,89 1.00	1	25%	14,722.75
	Standard NGT SRx HF Radio Base Kit, WFP-HF01 package 3, Standard NGT SRx HF Radio Mobile Kit, WFP-HF02 package 3 Standard DP 4801 VHF base kit 800 Standard DP4801 VHF mobile kit 600 Standard DP4801 VHF repeater 3,500 Standard DP4801 VHF handheld radio (including charger 700 Standard Airband handheld Kit 315 Standard Airband Base Kit 959 Tower Guyed, 30Meter Triangular 10 sections with accessories Mast, Aluminum, 15m, Telescopic, with Clamps and Ropes 657 BGAN 700 Kit 4,500 Thuraya XT Satellite phone kit 849 Standard GPS Kit 242 Earth - Electrical earthing kit (Specs attached) 416 SMALL - Telecoms Consumeble kit (approx \$550) 512 TC Flay AWAY KIT 28,000 Communications Equipment Total	5,000					
3.3	ELECTRICAL EQUIPEMNST	D	1	39,14 0.00	1	20%	7,828.00
	Generator, 110KVA, change over, auto start, canopy, FGWilsor Generator, 45KVA, change over, auto start, canopy, Road traile Generator, 16.5KVA, change over, auto start, canopy, Road tra Generator, 6.5KVA, Diesel, L100 Yanmar 2,678 Stabilizer, 65KVA, 3P (max load 98A/380V) Watford 9,640 Stabilizer, 36KVA,3P, Sollatek 4,500 Stabilizer, 5.2KVA, 1P (max load 25A/220V) Watford 1,648 Small radio room (single phase), electrical consumables / install Small radio room (three phase), electrical consumables / install UPS, 1000VA, Eaton, Single phase, P/N: 68181, Eaton 396 UPS, 6KVA,1P, GXT2-6000RT230 Liebert 1,886 Solar pack, complete w/ 4 panels, 2 batteries, control box & cab Electrical Equipment Total	er, FG \ iler, FG lation k ation ki	Nilson (P45 Wilson (P it 1,093 t 5,000				
3.4	MISCELLENOUS CONSUMERABLE	D	1		1	30%	1,049.40
	TC Tool Kit, telecom, (4 boxes) Fiskars 5,913 Standard Programming Kit HF/VHF/UHF 337 Small radio room, office furniture 1,166 Stationary (white board markers, printing papers, pen) 247 Mobile Phone 300 Miscellaneous Consumables Total			.00			
3.5	DATA CONNECTIVITY	D	1	34,50 4.00	1	50%	17,252.00
	Core Module 6,500.00 Expansion Module 5,000.00 Link Module 2,000.00 Data Circuit from ISP 1,000.00 Data Connectivity Total				,	·	
3.6	OTHER COST INSURANCE ,	D	1	27,53 4.00	1	32%	8,810.88
	Procurement and Logistics Cost Transport, insurance costs by air	-				-	
	Section Total						61,427.45

Contracti	ual Services										
4.1	RECURRING Communica	ation and IT se	rvices (COST		D	1	126,5 31.00	1	32%	40,300.12
	Recurring Costs Unit Cos BGAN Usage (MB) 10.00 BGAN Connection Cost (I Satellite phone Iridium us Satellite phone Thuraya u Mobile phone usage per r VSAT small - running cos VSAT large - running cost ISP cost per month (mont Recurring Costs Total	monthly fee) 40 age per month Isage per mont month (minutes t per month 2,5 t per month 13,	(minut h (minut s) 0.40 500.00 500.00	utes) 1.00					, i		
	Section Total										40,300.12
General (Dperating and Other Direc	ct Costs									
7.1	CONSTRUCTUAL COST					D	1	26,22 0.00	1	25%	6,555.00
	Training Specialist Juba C	Consultant			,						
7.2	Facility, Rent, Utilities and CONSTRUCAL SERVICE		cost (F	OR		D	1	10,00	1	25%	2,450.00
	Training Arrangements, F Subtotal	acilities, rental	s etc								
	Section Total										9,005.00
SubTotal							45.00				233,657.57
Direct											233,657.57
Support											
PSC Cos	t										
PSC Cost	t Percent										7%
PSC Amo	punt										16,356.03
Total Cos	st										250,013.60
Grand To	otal CHF Cost										250,013.60
Project L											250,015.60
FIOJECI L	Location	Estimated	Fstim	ated num	her of I	penefic	iaries		Activ	vity Name	
		percentage of budget for each location		for ea	ch loca	tion				,	
			Men	Women	Boys	Girls	Total				
	Equatoria -> Magwi	10									
Jonglei ->		20									
Lakes -> Unity -> K		10									
-	e -> Melut	30									
	Equatoria -> Mundri East	10									
Documer											
Category	Name				Docur	nent D	escriptio	n			
Budget D	ocuments				Detailed budget sheet.xlsx						