



## Development of Sustainable Tuna Fisheries in Pacific ACP Countries – Phase II (DevFish2)

Project Steering Committee – First Meeting  
SPC, Noumea, 28<sup>th</sup> February, 2011

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### **A. RECORD OF DISCUSSIONS**

#### **Agenda 1: Introduction**

##### ***Appointment of Chairman***

James Movick-FFA Deputy Director chaired the meeting.

##### ***Agenda***

The proposed Agenda was adopted as presented.

##### ***Introductory Remarks & Objective of Meeting***

Chair made introductory remarks on the purpose of the meeting and noted the expected aims and outcomes to guide the meeting.

Apologies: Len Rodwell-FFA Secretariat, EU representative

#### **Agenda 2: Overview of DEVFISH2 Project**

Mike Batty –Director FAME, SPC provided an overview of the project design and the expected results of the project.

The presentation was noted by the meeting

#### **Agenda 3: Overview of Work program-Development Component**

Hugh Walton provided an overview of Development component (C1). Comments made in regards to:

##### ***1.1 Assist with Fishery Development Strategies***

Vanuatu suggested that under this activity, national fisheries development liaison support should be established in countries where needed so this capacity can offer pro-active and sustained follow up to assist national industry on specific work planned.

Vanuatu also suggested studies to enhance supportive environmental policy in sector development (CO2 emission/Climate Change/Global warming) which will assist countries recommend local processing facilities to retrofit with non CFC gases for refrigeration

PITIA noted the need for project's input and dialogue at regional trade agreements to be with a broader economic and investment views rather than specifically on fisheries issue.

##### ***1.2 Transparency in systems and procedures (industry associations – capacity building in access negotiations).***

PITIA sought clarification on the possible areas of collaboration from the project and was advised that DevFish will be guided by the proposal PITIA prepared to develop activities for such collaborative work.

PITIA desires to strengthen its profile in undertaking wider networking and representative roles at national level especially for small island countries that lack capacity to regional forums.

Nauru expressed interest for inclusion in capacity building programs in fisheries access negotiations.

### ***1.3 Provide technical assistance to Competent Authorities – (coordinated with SFP and ACP fish 2)***

Cook Islands registered interest for assistance in Competent Authority (CA) for purposes of food safety and IUU certification. Their request on this component to FFA will be given to DevFish project

Vanuatu expressed its appreciation of DevFish1 support in the establishment of their CA and registered interest for DevFish2 to enhance this preliminary work under its assistance in this aspect of project.

PITIA suggested that it is appropriate that DevFish avail assistance for industry to access and support their CA requirements. It was clarified that such support is available to industry under project component 1.4.

FSM registered interest for CA assistance. FSM noted that they have been working to gain EU certification however feedback is slow and limited so it is appropriate that project fill in gaps.

It was noted that there is some merit for smaller island Pacific-ACP countries to consider options of developing and accepting sub-regional/regional CA mechanisms in view of the expensiveness of process to develop and maintain certification. However, question of practicable experience in reality and its cost on such suggestion need to be considered. The issue of sovereignty is also another matter to be mindful.

### ***1.4 Provide training to industry for expansion of exports (vessels and fish handling)***

PITIA suggested that when new markets are accessed, it is worthwhile to develop economic models/templates and should involve development of national capability to access funds and support for this focus area.

Nauru endorsed DevFish plans in complementary input and collaborations into the purse crewing strategy work.

Vanuatu proposed assistance in training national staff in this aspect to include national CA officers to either visit or have attachments with EU accredited exporters within region for practical familiarization and hands on experience.

Chair informed meeting that to export into Japan; countries need to have certification for Organization for the Promotion of Responsible Tuna Fisheries (OPRT)

### ***1.5 Provide technical assistance and training for fishing companies.***

The suggested programs and initiatives listed were noted.

### ***1.6 Conduct pilot projects introducing new technologies***

Samoa proposed the issue of depredation be included in this part of the work program and should not only be limited to assessing cost implications but attention on applicable measures and methods of mitigation which is especially critical for the small scale artisanal fisheries.

Tonga also suggested that other forms of energy and innovative technologies (i.e. sails) should be trialed to improve on fuel cost implications and fishing activity viability. However, caution was also noted that technology improving fishing feasibility must not cause further negative effect on fish stock of concern.

### ***1.7 Support artisanal tuna fishing operations***

It was noted that this focus area also address game/sports fishing development option in artisanal sector (tuna associated game fishing).

Samoa noted that whilst project focus is on tuna, there should be allowance for fishing techniques and technology development for other pelagic (non-tuna) species which are associated with artisanal fishing sector because it addresses fish (tuna) shortage in local markets.

FSM suggested that this focus area development would increase artisanal fisheries value when linking into market development, for example, the restaurant markets.

Cook Islands suggested assistance for artisanal sector should also aim to develop export product where possible. Sea safety needs are also important to be addressed in this focus area.

PNG noted interest for assistance to assess and develop marketing linkages for artisanal fishing sector into the established industrial sector in PNG. This includes development of country's artisanal fish market price monitoring systems.

It was suggested that planned work on development in pole and line fisheries (including bait fishing) should also to be applied to long line fishery.

It was further noted that with some trials in P&L so far, there is now call for country level involvement and investment especially from industry/private sector to develop.

## **Agenda 4:      Overview of Work program-IUU Component**

Mark Young, FFA Operations Director provided an overview of IUU component (C2).

Comments made in regards to:

### ***2.1 Implement the Regional Monitoring Control and Surveillance Strategy (RMCSS)***

Timor Leste noted that country has nil capacity and registered interest for support from project assistance in combating IUU/MSC issues. Chair suggested that project team consult with Timor Leste to discuss potential support the project can offer.

It was clarified that the proposed regional strategy for support in Catch Documentation Scheme will build out from the regional MSC Strategy.

It was requested that this focus area also looks at work in development of a database on vessel history for online access at national level.

## **2.2 Identify and Remedy Technical, Legal and Capacity Shortfalls.**

Vanuatu noted that it is strategic that complementary capacity building be developed at national level to better utilize new technology and tools provided in the IUU work.

Interest was registered for development in e-forms reporting at national level as it would enhance the monitoring of information in near real time. Nauru supported this initiative.

It was clarified that the observer programs support noted under this area will complement and fill in gaps of the regional observer program and MCS Strategy in regards to tools and measures on work in IUU deterrence.

The meeting noted that most of specific areas of attention under this component are connected to the regional MSC Strategy and will be discussed in more detail at MCS Working Group meetings.

WCPFC Director noted that the planned IUU work complements and provides the capacity to the MSC objectives of WCPFC. He also noted that potential area of cooperation can be in the development of system to capture and share information on vessels passage between high seas and in-country zones. Another specific area lacking at the WCPFC work is the effort to monitor and audit long line aspects of IUU.

The meeting noted that effort should also be directed to have awareness and training for vessels skippers on work and safety of observers and also develop a penalty system to safeguard the safety of observers on board vessels.

## ***2.3 Integrated Assessment of Enforcement and Fisheries Databases.***

Kiribati noted the need for project to have some consideration in the area of repairing MTUs as some countries lack local capacity.

## ***2.4 Integrated enforcement action.***

It was noted that most small island ACP-countries lack the local sea patrol capabilities. It is appropriate that innovative approaches under regional/multilateral arrangements be developed. This included information update and input in the objectives of NIUE Treaty.

Nauru registered interest for support under above point to develop surveillance and information exchange mechanism between Kiribati and Marshall Island.

Meeting note that proposed activities under this focus area have overlaps with ACP-FISH2 project and DevFish/FFA is very much in consultation with ACP-FISH2, will take a complementary approach to each other.

It was noted that there is some need for attention to work with support in boundary delimitation work in zones as these are often locations where perpetrators of IUU fishing capitalize.

Niue registered interest that a number of countries essentially need support for server replacements and upgrading.

The Chair pointed out that most of the work suggested for implementation by DevFish2 will be done through consultation with both FFA and SPC, utilizing their resources and support and where necessary utilize services of external technical experts from within the region.

**Agenda 5: Overview of Cost Estimates and Work program**

Hugh Walton provided an overview of cost estimates and work program of DevFis2.  
Comments made in regards to:

Vanuatu noted the need for cost estimate under budget line- Sub-contract and Consultancies to have clear linkage to project interventions especially for national level for purposes of transparency.

It was agreed that the proposals and planned activities suggested to date be incorporated into a draft annual work plan and circulated for feedback. It was proposed that a further appraisal could be undertaken coinciding with the next FFC meeting. This would allow the subsequent preparation of the detailed work plan.

**Agenda 6: General Discussion**

The Chair invited country representatives to talk with project staff on the fringes of HoF on any specific needs or proposals.

**Meeting Closed**

Meeting closed at 17.00 hrs

**Attachments**

Annex A	Planned/Suggested Project Activities
Annex B	Work Program & Cost Estimate (WPCE)
Annex C	Participants List

**DEVFISH2 Project**  
– Program Opportunities and Initiatives

**DEVFISH –**

**Component 1: Tuna Industry Development**

<b>DEVFISH II Activity Area</b>	<b>Regional &amp; Sub-regional Opportunities and Initiatives suggested to date</b>	<b>National Opportunities and Initiatives suggested to date</b>
<p><b>1.1 Assist with Fishery Development Strategies</b> <i>This task will continue the work of DevFish focusing on implementation of 3 existing action plans, and the development of new plans with strong stakeholder input and a focus on environmental sustainability covering both fishing and processing.</i></p>	<ol style="list-style-type: none"> <li>1. Development of FFA development of Catch Documentation Scheme.</li> <li>2. Regional workshops in support of Regional Tuna Management and Development Strategy and Regional MCS strategy.</li> <li>3. Regional workshop programs on policy formulation and decision making and considerations in investment strategy development.</li> <li>4. Regional workshop program on identifying, developing and sustaining competitive advantage.</li> <li>5. High level sub regional meetings between Fisheries and Trade Officials to review and plan inputs for trade agreements.</li> <li>6. Regional Transshipment study – benefits, port management systems, fees, transshipment monitoring etc</li> <li>7. Ensuring proper accommodation of fisheries aspects in regional economic integration initiatives.</li> </ol>	<ol style="list-style-type: none"> <li>1. Draft national development plans</li> <li>2. Review and development of special incentives in national investment policies and strategies</li> <li>3. Economic analysis and input into operators investment proposals for funding support</li> <li>4. Linkages to lending institutions and schemes (trials in soft loan)</li> <li>5. Develop national human resource development strategy for the sector</li> <li>6. New market access study on emerging markets ( China and India).</li> <li>7. Studies to enhance supportive environmental policy in sector development(CO2 emission/Climate Change/Global warming)</li> </ol>
<p><b>1.2 Transparency in systems and procedures (industry associations – capacity building in access negotiations).</b> <i>This task will involve strengthening industry associations and artisanal fishers' representation, and providing training and advice on fishing access agreements and licenses to national government staff.</i></p>	<ol style="list-style-type: none"> <li>1. Program support to PIIIA to boost PIIIA profile and build relationships with National Associations.</li> <li>2. Strategic support to FFA membership in US Treaty negotiations.</li> </ol>	<ol style="list-style-type: none"> <li>1. Establish and enhance participation of industry and artisanal fishing groups/association in consultative process</li> <li>2. Facilitate attachment /mentoring arrangement for country representatives</li> <li>3. Training/workshop for good record keeping and accessibility by public</li> <li>4. Develop communication strategy for Fisheries and Associations</li> <li>5. Promotion and Awareness of policies and regulation</li> </ol>

DEVFISH II Activity Area	Regional & Sub-regional Opportunities and Initiatives Project and Program Opportunities suggested to date	National Opportunities and Initiatives Project and Program Opportunities suggested to date
<p><b>1.3 Provide technical assistance to Competent Authorities – (coordinated with SFP and ACP fish 2)</b> <i>Support will be provided for meeting requirements associated with sanitary inspection and EU catch certification (anti-IUU fishing) requirements.</i></p>	<ol style="list-style-type: none"> <li>1. Sub-regional program to support CA development in training and systems – FSM, Marshalls, Kiribati, Possibly Vanuatu, Cooks, Tonga.</li> <li>2. Sub-regional and regional programs in CA capacity building (such as thermal processing, laboratory systems and testing)</li> <li>3. Support to the development of tertiary seafood safety qualifications.</li> </ol>	<ol style="list-style-type: none"> <li>1. National Competent authority accreditation-assessment/ review</li> <li>2. Facilitate independent review of competence of industry operators</li> <li>3. Facilitate competence upgrade workshop/training for ACU officers &amp; industry</li> <li>4. Specific technical training of CA officers- iePNG, Vanuatu,</li> <li>5. Facilitate attachment of national CA officers(incl industry) with competent CA</li> <li>6. National workshop and awareness on IUU requirements in food production</li> <li>7. Environmental Contaminants Awareness for exporting industry</li> </ol>
<p><b>1.4 Provide training to industry for expansion of exports (vessels and fish handling)</b> <i>In parallel with support to competent authorities, this task will train fishing companies to improve vessels and fish handling practices to achieve sanitary standards.</i></p>	<ol style="list-style-type: none"> <li>1. Development of regional standard industry food safety qualifications to meet EU CA compliance standards. Work to potentially be based on a regionalisation of training standards already in place in Papua New Guinea.</li> <li>2. A regional or sub-regional strategy to deliver key training to industry – CA compliance (land and sea)</li> <li>3. Purse seine crew training in support of PNA mandatory crewing models.</li> <li>4. Traineeship type programs to offer advanced specialised training to industry personnel – vessel operations, engineering, processing systems</li> </ol>	<ol style="list-style-type: none"> <li>1. National Action Plans on specific technical levels for promoting expansion of exports</li> </ol>
<p><b>1.5 Provide technical assistance and training for fishing companies.</b> <i>Focusing on small and medium enterprises, work will focus on management issues and skill shortages constraining growth and profitability.</i></p>	<ol style="list-style-type: none"> <li>1. Possible development of regional/sub regional strategy for SME business training.</li> <li>2. Possible regional/sub regional training program on organisational management.</li> <li>3. Women in fisheries business and seafood value adding</li> </ol>	<ol style="list-style-type: none"> <li>1. Prepare National Action Plans for promoting private sector development/investment.</li> <li>2. Case study review of unfair implementation of some EU rulings (traceability issue)</li> <li>3. Small-medium enterprise vessels operation and management training</li> <li>4. Operational upgrades-small –medium scale operations</li> <li>5. Liaise and coordinate regional support schemes to link on enterprise level interventions</li> </ol>

DEVFISH II Activity Area	Regional & Sub-regional Opportunities and Initiatives Project and Program Opportunities suggested to date	National Opportunities and Initiatives Project and Program Opportunities suggested to date
<p><b>1.6 Conduct pilot projects introducing new technologies</b>  <i>Projects may include trials of palm oil as boiler fuel in processing plants the trial of other clean technologies and replacement of 2-stroke with 4-stroke engines for artisanal fisheries.</i></p>	<ol style="list-style-type: none"> <li>1. Development and Promotion of energy efficiency audit standards for vessels and processing facilities.</li> <li>2. Pilot projects in support of energy efficiency implementation</li> <li>3. Promotion of eco-labelling appeals based on socio-economic and energy efficiency indicators.</li> </ol>	<ol style="list-style-type: none"> <li>6. Promote and profile of women in tuna fisheries</li> <li>1. Fuel efficient engine trials for artisanal fishers association</li> </ol>
<p><b>1.7 Support artisanal tuna fishing operations</b>  <i>Working with small-scale fishers associations established or supported under DevFish, provide training and services to artisanal tuna fishers and small scale processors supplying local markets.</i></p>	<ol style="list-style-type: none"> <li>1. Promotion or regional standards for seafood value adding training.</li> <li>2. Awareness and information dissemination on regional management and development issues and concepts</li> <li>3. Liaise and network with assistance scheme and link to associations producers' organizations</li> </ol>	<ol style="list-style-type: none"> <li>1. Develop business plan</li> <li>2. Technical support to pole and line fisheries development projects in Solomons, PNG, Tuvalu, Kiribati and FSM.</li> <li>3. Promotion of inshore FAD deployment and management plans and associated technical training and FAD management plans. Agree with your comment</li> <li>4. Link to product development (fishing, processing) and marketing</li> <li>5. Strategies for alternate income options</li> <li>6. Related service industries</li> <li>7. Training in business proposal writing and accessing funding schemes (special involvement of women and youth)</li> <li>8. Promote wider view of role of women in tuna fisheries</li> </ol>



Component 2. IUU Fishing Deterrence

Activity	Regional & Sub-regional Opportunities and Initiatives	National Opportunities and Initiatives
<p><b>2.1 Implement the Regional Monitoring Control and Surveillance Strategy (RMCSS)</b>  <i>Analytical studies funded by Australia in the areas of risk assessment, compliance audit, information management, coordination and capability have been completed, as well as other initial studies undertaken under the SeaFish project, and they have been integrated into the RMCSS. Plans are proceeding to implement the strategy, to include the creation of a regional MCS coordination centre, are being developed and assessed.</i></p>	<ol style="list-style-type: none"> <li>1. A regional strategy in support of a Catch Documentation Scheme.</li> <li>2. An FFA membership agreed strategy for Secretariat implementation of the Regional MCS Strategy.</li> <li>3. Strategic support for operational aspects of the Regional Fisheries Surveillance Center.</li> </ol>	<ol style="list-style-type: none"> <li>1. Continuation of work on integrating data from various sources for Regional Maritime Operations</li> <li>2. Design new MCS/IUU Components to work with TUFMAN</li> <li>3. Integrate the FFA Vessel Record into TUFMAN</li> <li>4. Compliance audits and developing national MCS priorities</li> </ol>
<p><b>2.2 Identify and Remedy Technical, Legal and Capacity Shortfalls.</b>  <i>When the strategy is implemented, technical, legal and capacity shortfalls will be identified and addressed. This may take the form of training programmes, legislative reviews, feasibility studies trialling new technologies, and/or planning for the acquisition of new enforcement assets.</i></p>	<ol style="list-style-type: none"> <li>1. A regional program incorporating compliance in support of fisheries observer program development including – PIRFO development, debriefer and trainer certification and development, improved port sampling and transhipment monitoring.</li> <li>2. Development of a regional strategy to move towards e-forms in Fisheries Observer Reporting</li> <li>3. Regional training programs in more advanced aspects of MCS operations – evidence and investigation and prosecution</li> <li>4. Development of a comprehensive Regional Training Needs Assessment (TNA)</li> <li>5. Trial of new technology to support integrated enforcement actions such as SeaStar as a “predictive intelligence” tool</li> </ol>	<ol style="list-style-type: none"> <li>1. Enhance National MCS systems (new servers, vessel license submission tool)</li> <li>2. Develop a strategy for combining all vessel databases (WCPFC, FFA, SPC, etc.) into one system to, inter alia, facilitate the work in identifying IUU fishing</li> <li>3. Develop an approach for investigating patterns that identify potential IUU fishing using the regional databases</li> <li>4. Develop national MCS Plans and comprehensive MCS operational manual</li> </ol>
<p><b>2.3 Integrated Assessment of Enforcement and Fisheries Databases.</b>  <i>This task will integrate fisheries data with the FFA’s EOPS system for at-sea surveillance data. Analysis of integrated data will address</i></p>	<ol style="list-style-type: none"> <li>1. A regional initiative to provide in-country capacity and resource upgrades for IUU IT data and information systems.</li> <li>2. Reconciliation of various regional vessel registers and automatic exchange of licensing information</li> </ol>	<ol style="list-style-type: none"> <li>1. National awareness and training workshop</li> <li>2. Establishment of national MCS coordination committees</li> <li>3. Enhance national MCS systems – upgrade IT capabilities</li> <li>4. Enhance national MCS capabilities to identify IUU fishing using database systems and related tools</li> </ol>

Activity	Regional & Sub-regional Opportunities and Initiatives	National Opportunities and Initiatives
<p><i>IUU fishing issues, such as under-reporting, which otherwise often go undetected allowing for more accurate assessment of actual catches for stock assessment and feeding back to inform at-sea surveillance strategies.</i></p>	<p>3. TUFMAN MCS - Development of integration of VMS data into existing licensing and catch databases with exception reporting routines</p>	<p>5. National support during regional MCS operations</p>
<p><b>2.4 Integrated enforcement action.</b>  <i>Promotion of regional integration of MCS operations through real-time information exchange and joint operations with US Navy, Australian Defence Force, New Zealand Defence Force, and French Navy as well as MCS agencies operating in OCTs.</i></p>	<ol style="list-style-type: none"> <li>1. Strategic support for regional and sub-regional integrated collaborative MCS operations.</li> <li>2. Comprehensive assessment of fishing patterns to inform MCS planning.</li> <li>3. Strategic planning and integration of available asset support of aerial surveillance providers</li> <li>4. Enhanced regional MCS planning and coordination protocols</li> </ol>	<ol style="list-style-type: none"> <li>1. National awareness and training workshop</li> <li>2. Cooperative Port state enforcement</li> <li>3. Enhanced enforcement asset sharing and ship rider agreements</li> <li>4. Enhanced MCS cooperation between various national agencies through formalized MOUs and other cooperative instruments – “whole of government” capacity building strategy</li> <li>5. Harmonized standard Operating Procedures and training</li> </ol>

Annex B- **FINANCING AGREEMENT (NO. REG/FED/2009/021-392)**  
**COST ESTIMATE (TOTAL PROJECT-4 YEARS)**

	FFA	SPC
<b>Technical assistance</b>		
Fisheries policy specialist (TL) - FFA	530000	
Fisheries MCS specialist - FFA	390000	
Project coordinator - FFA	300000	
Fisheries Development Officer -SPC		410000
IJU Monitoring Officer - SPC		370000
<b>Total long term TA</b>	<b>1,220,000</b>	<b>780000</b>
<b>Travel</b>		
Stakeholder meetings	400000	
Staff travel to PACP countries	250000	250000
Staff travel to PSC meetings	60000	40000
<b>Total travel</b>	<b>710,000</b>	<b>290,000</b>
<b>Equipment and services</b>		
Computers and IT equipment	48000	32000
IT support and office expenses	168000	112000
Audit of AWP accounts	20000	20000
<b>Total equipment &amp; services</b>	<b>236,000</b>	<b>164,000</b>
<b>Consumables and supplies</b>		
Office materials and stationery	4800	3200
MCS training course materials	22000	
MCS consumables		70000
<b>Total consumables and supplies</b>	<b>26800</b>	<b>73200</b>
<b>Subcontracts and consultancies</b>		
Regional short term TA	480000	120000
Regional MCS activities	300000	100000
In-country short term TA	800000	200000
National pilot projects and upgrades	350000	350000
National MCS support	350000	350000
<b>Total subcontracts and consultancies</b>	<b>2,280,000</b>	<b>1,120,000</b>
<b>Results and communication</b>		
Report publication and circulation		43000
Website, multimedia, expert services	175000	
EU Visibility		82000
<b>Total communications</b>	<b>175,000</b>	<b>125,000</b>
<b>Total Direct Costs</b>	<b>4,647,800</b>	<b>2,552,200</b>
<b>Eligible Indirect Costs (7%)</b>	<b>325346</b>	<b>178654</b>
<b>Project Running Costs</b>	<b>4,973,146</b>	<b>2,730,854</b>

**(a) FFA Total Budget for the Action**

<b>Budget Item</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
A. Long Term TA	135,000	275,000	290,000	305,000	215,000	1,220,000
B. Meetings and Travel	147,500	177,500	177,500	177,500	30,000	710,000
C. Equipment and Services	45,000	53,000	53,000	53,000	32,000	236,000
D. Consumables and Supplies	1,800	5,200	6,600	6,600	6,600	26,800
E. Sub Contracts & Consultancies	0	335,000	675,000	725,000	545,000	2,280,000
F. Communications & Visibility	15,000	35,000	35,000	45,000	45,000	175,000
<b>Total Direct Costs</b>	<b>344,300</b>	<b>880,700</b>	<b>1,237,100</b>	<b>1,312,100</b>	<b>873,600</b>	<b>4,647,800</b>
Eligible Indirect Costs	24,101	61,649	86,597	91,847	61,152	325,346
<b>FFA Total Costs</b>	<b>368,401</b>	<b>942,349</b>	<b>1,323,697</b>	<b>1,403,947</b>	<b>934,752</b>	<b>4,973,146</b>

**(b) SPC-Total Budget for the Action**

<b>Budget Item</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
A. Long Term TA	90,000	180,000	190,000	200,000	120,000	780,000
B. Meetings and Travel	42,500	72,500	72,500	72,500	30,000	290,000
C. Equipment and Services	30,000	37,000	37,000	37,000	23,000	164,000
D. Consumables and Supplies	1,200	10,800	20,400	20,400	20,400	73,200
E. Sub Contracts & Consultancies	0	165,000	325,000	375,000	255,000	1,120,000
F. Communications & Visibility	3,000	25,000	30,000	34,000	33,000	125,000
<b>Total Direct Costs</b>	<b>166,700</b>	<b>490,300</b>	<b>674,900</b>	<b>738,900</b>	<b>481,400</b>	<b>2,552,200</b>
Eligible Indirect Costs	11,669	34,321	47,243	51,723	33,698	178,654
<b>SPC Total Costs</b>	<b>178,369</b>	<b>524,621</b>	<b>722,143</b>	<b>790,623</b>	<b>515,098</b>	<b>2,730,854</b>