BASELINE REPORT

Introduction

This report is one of a series that you will complete throughout the life of your ATP project. These reports provide crucial information for ATP program officials to use in assessing the value of the ATP program, and reporting to policymakers and stakeholders. Thus it is important that you read the questions carefully and provide your best answer.

The primary purpose of the present report is to gather baseline information about your project and company. Because the information requested is quite diverse, the person completing this report may need to gather information from various company sources and personnel. These sources should include individuals with detailed knowledge of the technical and business aspects of the ATP-funded project, and general knowledge about your company as a whole.

Please respond to the questions on this report with regard to the following project:

Project title: []

Period of performance: []

Award Number: []

- 1. Administrative Information
- 2. Key Personnel
- 3. Subcontractors
- 4. Company Characteristics
- 5. ATP Project Characteristics
- 6. Research Effort
- 7. Technology Commercialization
- 8. Future BRS Reports

OMB No: 0693-0009 Expiration Date: 11/30/06. This report is authorized under the Paperwork Reduction Act. Under the terms and conditions of your ATP award, your response is mandatory. Data collected will be shared with ATP staff, but considered confidential by ATP staff. Public reporting burden for this collection of information is estimated to average 45 to 75 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Director, Advanced Technology Program, National Institute of Standards and Technology, 100 Bureau Drive, Stop 4700, Administration Building, Room A333, Gaithersburg, Maryland 20899-4700.

Section 1: Administrative Information

Company Information

The information shown below refers to your company organization. Please verify the accuracy of this information.

COMP_NAME	Company Name	[COMP_NAME]
UNIT_NAME	Division Name	
ESTAB_ADD1	Address Line 1	
ESTAB_ADD2	Address Line 2	
ESTAB_ADD3	Address Line 3	
ESTAB_CITY	City	
ESTAB_STATE	State	
ESTAB_ZIP	Zip	
ESTAB_WEB	Website Address	

[Programmer note: prefill company name and address info if available]

[Programmer Note: TCON_FNAME and TCON_LNAME are required fields]

[If TYPE OF PARTICIPATION = SA or JVL]

Principal Investigator

The Principal Investigator named in the terms and conditions of your ATP Cooperative Agreement is responsible for the overall direction and supervision of the ATP-funded project.

Please complete the following information for the Principal Investigator.

[If TYPE OF PARTICIPATION = JVP]

Technical Contact

The Technical Contact person for your company should be a mid- to senior-level person with responsibility for direction and supervision of technical work on this ATP-funded project.

Please complete the following information for your company's Technical Contact.

TCON_FNAME	First Name
TCON_LNAME	Last Name
TCON_SALUT	[Drop down box with following options: Dr., Mr., Miss, Mrs., Ms.]
TCON_TITLE	Position Title
TCON_GNDR	Gender Male Female
TCON_ORG1	Organization Name Line 1
TCON_ORG2	Organization Name Line 2
TCON_ADD1	Street Address Line 1 (no PO Box addresses, please)
TCON_ADD2	Street Address Line 2
TCON_ADD3	Street Address Line 3
TCON_CITY	City
TCON_STATE	State
TCON_ZIP	Zip
TCON_PHONE	Telephone
TCON_EXT	Ext.
TCON_FAX	Fax
TCON_EMAIL	E-mail

[Programmer Note: BCON_FNAME and BCON_LNAME are required fields]

Business Contact

The Business Contact person for your company should be a mid- to senior-level person with responsibility for business development and commercialization aspects of this ATP-funded project.

TCON_EQ_BCON

Is your Business Contact the same person as your

[If TYPE OF PARTICIPATION = SA or JVL

Principal Investigator: TCON_FNAME TCON_LNAME

[If TYPE OF PARTICIPATION = JVP

Technical Contact: TCON_FNAME TCON_LNAME

If TCON_EQ_BCON = 1 [Yes]: copy contact info for TCON into BCON variables

If TCON EQ BCON = $2 [N_0]$:

Please complete the following information for your company's Business Contact.

BCON FNAME	First Name
BCON LNAME	Last Name
BCON SALUT	[Drop down box with following options: Dr., Mr., Miss, Mrs., Ms.]
BCON TITLE	Position Title
BCON_GNDR	Gender Male Female
BCON_ORG1	Organization Name Line 1
BCON_ORG2	Organization Name Line 2
BCON_ADD1	Street Address Line 1 (no PO Box addresses, please)
BCON_ADD2	Street Address Line 2:
BCON_ADD3	Street Address Line 3
BCON_CITY	City
BCON_STATE	State
BCON_ZIP	Zip
BCON_PHONE	Telephone
BCON_EXT	Ext.
BCON_FAX	Fax
BCON_EMAIL	E-mail

Administrative Contact

The Administrative Contact person is responsible for administrative issues relating to the ATP Cooperative Agreement, including managing contract, budget, and related matters.

Is your Administrative Contact the same person as your

ACON_EQ_TCON

[If TYPE OF PARTICIPATION = SA or JVL

Principal Investigator: TCON_FNAME TCON_LNAME

[If TYPE OF PARTICIPATION = JVP

Technical Contact: TCON_FNAME TCON_LNAME

[If TCON EQ BCON=No] or [If ACON EQ TCON=No]

ACON_EQ_BCON

Business Contact: [BCON_FNAME BCON_LNAME]?

Yes 1 No...... 2

If ACON_EQ_TCON = Yes: copy contact info for TCON into ACON variables If ACON_EQ_BCON = Yes: copy contact info for BCON into ACON variables

If both ACON EQ TCON and ACON EQ BCON =No:

Please complete the following information for your company's Administrative Contact.

ACON_FNAME	First Name
ACON_LNAME	Last Name
ACON_SALUT	[Drop down box with following options: Dr., Mr., Miss, Mrs., Ms.]
ACON_TITLE	Position Title
ACON_GNDR	Gender Male Female
ACON_ORG1	Organization Name Line 1
ACON_ORG2	Organization Name Line 2
ACON_ADD1	Street Address Line 1 (no PO Box addresses, please)
ACON_ADD2	Street Address Line 2
ACON_ADD3	Street Address Line 3
ACON_CITY	City
ACON_STATE	State
ACON_ZIP	Zip
ACON_PHONE	Telephone
ACON_EXT	Ext.
ACON_FAX	Fax
ACON_EMAIL	E-mail

Section 2: Key Personnel

Key Project Personnel

In the table below, please identify employees from your company who are key personnel for the ATP project at this time.

First Name	Last Name	Gender	Position Title	Delete Entry
[TCON_FNAME]	[TCON_LNAME]	Male1	[TCON_TITLE]	
		Female2		
[BCON_FNAME]	[BCON_LNAME]	Male1	[BCON_TITLE]	
		Female2		
[ACON_FNAME]	[ACON_LNAME]	Male1	[ACON_TITLE]	
		Female2		
KP#_FNAME	KP#_LNAME	KP#_GNDR	KP#_TITLE	

Add/Update

Press 'Add/Update' button to add another row, or to update table.

[Programming note: The same person should not be listed more than once in this table]

For the key personnel listed below, please indicate the citizenship status of each person.

Name	Citizenship Status
[KP#_FNAME KP#_LNAME]	Born U.S. citizen = 1
	Naturalized U.S. citizen =2
	Permanent resident=3
	Other=4
[KP#_FNAME KP#_LNAME]	KP#_CITIZEN

[Programmer note: Variables KP#_FNAME KP#_LNAME indicate the names of all key personnel, including TCON, BCON, ACON.]

For the key personnel shown below, please indicate graduate degrees that each person holds. Please check all that apply for each person.

Name	Master's	PhD	MD	Other graduate degree
[KP#_FNAME KP#_LNAME]				
[KP#_FNAME KP#_LNAME]	KP#_M	KP#_PHD	KP#_MD	KP#_OTH

For the key personnel shown below, please enter the university and department where the degree indicated was earned.

Name	Graduate	University	Department
	degree		
[KP#_FNAME KP#_LNAME]	[highest degree		
	selected in table		
	above]		
[KP#_FNAME KP#_LNAME]		KP#_DEG_UNIV	KP#_DEG_DEPT

[Programmer note: Show only the "highest" graduate degree selected in previous table. The order of priority is: (1) PhD, (2) MD, (3) Master's, (4) Other graduate degree.]

For the key personnel listed below, please enter the total years of work experience of each person.

Name	Total years of work experience
	years
[KP#_FNAME KP#_LNAME]	
[KP#_FNAME KP#_LNAME]	KP#_WRKEXP (0-99)

For the key personnel listed below, please indicate the role(s) each person serves on the ATP-funded project. Please check all that apply for each person.

Name	Technical Role	Business Development Role	Management Role
[KP#_FNAME KP#_LNAME]			
[KP#_FNAME KP#_LNAME]	KP# _TECHROLE	KP# _BUSROLE	KP# _MGMTROLE

[Programmer note: In tables above, variable KP#_ indicates names of all key personnel, including TCON, BCON, ACON.]

Section 3: Subcontractors

Subcontractor Information

Does your company have any subcontractors for the ATP project? If so, please provide information on subcontractors that your company is using.

[If TYPE_OF_PARTICIPATION = JVL or JVP]

For joint venture (JV) projects, please report only subcontractors that your company pays directly. Other JV partner organizations will report subcontractors that they pay directly.

In the table below, please identify subcontractors working for your company on the ATP project.

Subcontractor Organization Name	City	State	Zip	Delete Entry
SUB#_ORG	SUB#_CITY	SUB#_STATE	SUB#_ZIP	

Add/Update

Press 'Add/Update' button to add another row, or to update table.

[Fill out for each subcontractor]

SUB# ORGTYPE

SUB# EMPLOY

How many total employees does this subcontractor have?

Fewer than 10	1
10 to 99	2
100 to 499	3
500 or more	

Please provide information for the person at [SUB#_ORG] responsible for carrying out the work on the subcontract.

SUB# CON FNAME	First Name	
	1 1100 1 (01110	
SUB#_CON_LNAME	Last Name	
SUB#_CON_TITLE	Position Title	
SUB#_CON_SALUT	[Drop down box with following options:	
	Dr., Mr., Miss, Mrs., Ms.]	
SUB#_CON_GNDR	Gender Male Female	
SUB#_CON_ORG1	Organization Name Line 1	
SUB#_CON_ORG2	Organization Name Line 2	
SUB#_CON_ADD1	Address Line 1	
SUB#_CON_ADD2	Address Line 2	
SUB#_CON_ADD3	Address Line 3	
SUB#_CON_CITY	City	
SUB#_CON_STATE	State	
SUB#_CON_ZIP	Zip	
SUB#_CON_PHONE	Telephone	
SUB#_CON_EXT	Ext.	
SUB#_CON_EMAIL	E-mail	

OTI	T 11	DEL	COD
\	K#	PRI	H IK
\mathbf{o}	Dπ	1 1	

Has your company worked with this subcontractor before (i.e., prior to the current ATP project)?

Yes1 No......2

[If SUB_PRIOR = Yes]

SUB# PRIORYRS

How many years of experience has your company had working with this subcontractor?

_____ Years (1-99)

SUB# AMOUNT

What is the total amount of this subcontract for the ATP project?

\$______(0.00-999.99)
Thousands.......1
Millions......2

SUB#_AMOUNT_UNITS

Does the work performed by this subcontractor on the ATP project involve:

		Yes	No
SUB#_RD	Collaborative R&D?	1	2
SUB#_EQUIP	Design and delivery of specialized equipment?	1	2
SUB#_MAT	Provision of specialized materials?	1	2
SUB#_TEST	Testing or laboratory services?	1	2
SUB#_OTH	Other	1	2
SUB#_OS	Please specify:		

SUB#_DESC	Please briefly describe the subcontract work, and indicate why this subcontractor was selected to perform the work.

Section 4: Company Characteristics

Please provide descriptive information on your company [COMP_NAME]

Background Information

COMP FORM
Is your company [COMP_NAME] a:
_Sole proprietorship?1
Partnership?2
_Limited liability company (LLC)?3
_Corporation?4
COMP_MULTI_ESTAB Does your company currently have more than one business location? Yes

[If COMP_FORM = Corporation]
COMP PUB
Is your company [COMP_NAME] a public company (i.e., company stock is publicly traded)?
Yes1 No2
No2
COMP_PUB_TICKER If yes, please provide the stock ticker symbol for your company:
Stock ticker symbol

[If COMP_FORM \neq Corporation, then set COMP_PUB = No]

[If COMP_PUB = No]
COMP_EST_YR In what year was your company established?Year (1800-2005)
COMP_PARENT Is your company wholly-owned or majority-owned by another company (i.e., a parent company)? Yes
If COMP_PARENT = Yes:
COMP_PARENT_NAME Please provide the name of your parent company: Name
COMP_PUBPARENT Is your parent company a public company (i.e., company stock is publicly traded)? Yes
COMP_PARENT_TICKER If yes, please provide the stock ticker symbol for your parent company: Stock ticker symbol
COMP_PARENT_REVENUE If your parent company is not a public company, what were total company revenues for your parent company last year? \$(0.00-999.99) Thousands1

Employment Information

Please provide employment information for your company [COMP_NAME].

COMP EMPLOY

Including full-time and part-time employees, how many employees did your company have at the end of the last calendar quarter?
______ Total employees (0-999,999)

COMP EMPLOY RD

Including full-time and part-time employees, how many employees at your company worked in R&D at the end of the last calendar quarter?

____ R&D employees (0-999,999)

Financial Information

Please provide the following financial information for your company [COMP_NAME] from your last fiscal year financial report.

COMP_FISCALYR What was the closing date for your last fiscaMonth/Day/Year (Month: 1-12, Day: 1	• 1 01
COMP REVENUE	
Including all sources of revenue (e.g., sales,	, licensing, research contracts, grants, etc.),
what were total company revenues for the la	ast fiscal year?
\$(0.00-999.99)	•
	COMP_REVENUE_UNITS
Millions2	
Billions3	
COMP_RD	
What were total R&D expenditures at your	company for the last fiscal year?
\$(0.00-999.99)	
	COMP_RD_UNITS
Millions2	
Billions3	

$[If COMP_PUB = N_0]$

Please provide additional financial information for your company [COMP_NAME] from your last fiscal year financial report.

Income Statement

Amounts are reported in:

Thousands1	INCOME_STATE_UNITS
Millions2	
Billions3	

COMP_REV	Revenues	\$(0.00-999.99)
COMP COS	Cost of Sales	\$ (0.00-999.99)
COMP_OI	Income Before Taxes	\$ (-999.99-999.99)
COMP NI	Net Income	\$ (-999.99-999.99)

Balance Sheet

Amounts are reported in:

Thousands1	BALANCE_STATE_UNITS
Millions2	
Billions3	

COMP_ASSET	Total Assets	\$(0.00-999.99)
COMP_ASSET_CURR	Current assets	\$ (0.00-999.99)
COMP ASSET LT	Long-term assets	\$ (0.00-999.99)

COMP_LIAB	Total Liabilities	\$	_ (0.00-999.99)
COMP_LIAB_CURR	Current liabilities \$	(0.00	-999.99)
COMP_LIAB_LT	Long-term liabilities \$	(0.00	-999.99)

COMP_EQUITY Owners' Equity \$_____ (0.00-999.99)

[If COMP_EMPLOY < 500 AND COMP_	_PUB =]	No]
What share of your company's ownership is Founders and top management Individual investors (i.e., "angel" investors) Venture capital Other companies Employees Other, please specify:	%	COMP_SHR_MGMT (0-100) COMP_SHR_ANGEL (0-100) COMP_SHR_VC (0-100) COMP_SHR_CORP (0-100) COMP_SHR_EMPL (0-100) COMP_SHR_OTH (0-100)
	SUM 1	COMP_SHR_OS 100%

Company Management

[If COMP_EMPLOY < 500 and COMP_PUB = No]

COMP_STARTUP

Do you consider your company to be a start-up company?

[If COMP_STARTUP = Yes]

STARTUP PREV

Apart from your current company, have any of the senior members of your company been a founder of another start-up company?

STARTUP_EXP

Overall, how much experience do senior members of your company have with managing or directing start-up companies?

[If COMP_STARTUP = Yes]
STARTUP BOARD
Does your company have a formally established Board of Directors?
Yes No2
102
STARTUP SCIBOARD
Does your company have a formally established Scientific Advisory Board?
Yes1 No2
NO2

[If COMP STARTUP = Yes]

If STARTUP_BOARD = Yes:

STARTUP BOARD INTERACT

How often do senior members of your company consult with members of the Board of Directors (either formally or informally)?

More than once a week	6
Several times a month	
About once a month	
Several times a year	
Once or twice a year	
Less often than once a year	

If STARTUP_SCIBOARD = Yes:

STARTUP SCIBOARD INTERACT

How often do senior members of your company consult with members of the Scientific Advisory Board (either formally or informally)?

More than once a week	6
Several times a month	5
About once a month	4
Several times a year	3
Once or twice a year	2
Less often than once a year	

R&D Characteristics of Your Company

$[If COMP_RD > 0]$		
You reported that your company's to [COMP_RD][COMP_RD_UNITS].	otal R&D expe	nditures for the fiscal year were:
What percent of your company's R&	℃D expenditure	es last fiscal year was devoted to:
Basic Research Applied Research Product Development	% % % SUM = 100%	COMP_RD_DEV (0-100)
COMP_RD_LT What percent of your company's R& research projects with project duration% (0-100)	-	
COMP_RD_EXT What percent of your company's R& external resources (e.g., government% (0-100)		
If COMP_RD_EXT > 0:	L. C J. J.D.O.T	
was from:	ly runded R&L	D expenditures last year, what percent
Federal government	%	COMP RD FED (0-100)
State and local government		
Other companies	%	COMP_RD_CORP (0-100)
Other external sources	%	COMP_RD_OTH (0-100)
SUM	I = 100%	

[If COMP_EMPLOY < 500]
COMP_SBIR Has your company ever received R&D funding from a federal government SBIR program? Yes
If COMP_SBIR = Yes: COMP_SBIR_YR What was the most recent year in which your company received an SBIR award? Year (1982-2005)
Has your company ever received assistance for R&D or business development through: (Please check all that apply.)
_ A state or local government program _ A university program _ A technology or business incubator COMP_LOCALPROG COMP_UNIVPROG COMP_INCUBATOR
COMP_PROGSUPPORT_YR What was the most recent year in which your company received assistance from a state or local government program, university program, or technology or business incubator? Year (1980-2005)

business location?

____ R&D employees (1-99,999)

If COMP MULTI ESTAB = Yes

R&D Characteristics of Your Location

Since your company has more than one business location, please answer the following questions with respect to your own specific location. **ESTAB TYPE** Is your business location dedicated exclusively to R&D (i.e., your business location performs only R&D, and no other functions such as manufacturing, sales, etc.)? Yes1 No.....2 ESTAB RD What were total R&D expenditures at your business location for the last fiscal year? \$____(0.00-999.99) Thousands1 **ESTAB RD UNITS** Millions.....2 Billions.....3 **ESTAB EMPLOY** At the end of the last calendar quarter, how many employees worked at your business location? ____ Employees (1-99,999) ESTAB EMPLOY RD At the end of the last calendar quarter, how many employees worked in **R&D** at your

Section 5: ATP Project Characteristics

Project Description

PROJ_DESC Please describe the key technology and R&D expertise that your company brings to this project.
PROJ_GOAL
Please describe your company's "big-picture" overall technical and business goal for this project?

Project Difficulty and Risk

overall goals identified for Much less ambitious	1 0	Much more ambitious
	-35-	
D 1 11		
To what extent would yo	u say your project represents	:
NEWDIR_COMI		
A new R&D direct	ction for your company?	
		4
		3
Sma		2
Not	at all	
Not	at all	-
NEWDIR_FIELI		
NEWDIR_FIELI A new R&D direc) ction for your industry or t o	echnology field?
NEWDIR_FIELI A new R&D dired Larg	ction for your industry or to	

Not at all.....1

		_											
D	D		1	ח	П	Ε,	\Box	1	ויי	П	١	. 7	Γ
	-11		J.		•		11	ı١		u			

Consider the technical difficulty of your ATP project. How does this project compare to a **typical R&D project** at your company?

ľ	Much less dif	ficult	Equally d	ifficult	Mucl	n more diffic	ult
1	12	23	34	 	<u>5</u> <i>(</i>	j'	7

TYP_TECH_PROB

Consider technical risk. What would you say is the probability, from 0% to 100%, that a **typical R&D project** at your company can achieve all of the technical targets required for project success?

____% (0-100)

ATP MINTECH PROB

For your ATP project, consider the technical risk in achieving your minimal technical goals. What would you say is the probability, from 0% to 100%, that your company can achieve the minimal technical targets required for success on this project?

% (0-100)

ATP MAXTECH PROB

For your ATP project, consider the technical risk in achieving your maximal "stretch" technical goals. What would you say is the probability, from 0% to 100%, that your company can achieve the maximal "stretch" technical goals for this project?
_____% (0-100)

ATP BUS IMPACT TIME

Consider the expected business impact of the ATP-funded project on your company. Approximately how many years after the start of the project do you expect results to first have an impact on company revenues or costs?

____years (0-99)

TYP BUS IMPACT TIME

For a **typical R&D project** at your company, approximately how many years after the start of the project would you expect results to first have an impact on company revenues or costs?

____years (0-99)

[If TYPE OF PARTICIPATION = SA]

PROJ PROB

Considering all aspects of technical and business risks and challenges, what is your current estimate of the probability, from 0% to 100%, that your company can fully achieve the overall goal for the project?

% (0-100)

[If TYPE OF PARTICIPATION = JVL or JVP]

PROJ PROB

Think about the overall goal of the joint venture (JV) project as a whole. Considering all aspects of technical and business risks and challenges, what is your current estimate of the probability, from 0% to 100%, that **the JV project** can fully achieve its overall goals? % (0-100)

PROJ COMP PROB

Think about your company's overall goals for the project. Considering all aspects of technical and business risks and challenges, what is your current estimate of the probability, from 0% to 100%, that **your company** can fully achieve its overall goals?
______% (0-100)

Technology Source

Consider the relationship between your ATP project and other R&D projects at your company.

To what extent does your ATP project:

BUILD_PREV

20122_1142
Build on previous R&D work at your company?
Large extent4
Moderate extent3
Small extent
Not at all1
ENHANCE_PREV Enhance the value of previous R&D work at your company?
Large extent4
Moderate extent3
Small extent2
Not at all1

	To what extent is your ATP project based on:	Large Extent	Moderate Extent	Small Extent	Not at all
RES_UNIV	Research from universities	4	3	2	1
LIC_UNIV	Technology licensed from universities	4	3	2	1
RES_GOV	Research from government laboratories	4	3	2	1
LIC_GOV	Technology licensed from government laboratories	4	3	2	1
RES_NP	Research from non-profit institutions	4	3	2	1
LIC_NP	Technology licensed from non-profit institutions	4	3	2	1
RES_COMP	Research from other companies	4	3	2	1
LIC_COMP	Technology licensed from other companies	4	3	2	1

Technology Diffusion

Think about the types of knowledge that your ATP project is expected to produce.

Consider research findings to be knowledge that can be written down and easily communicated to others, and research "know-how" to be knowledge gained from experience and practice that is less easily transferred.

RESULTS DIFFUSION

How quickly do you expect critical research *findings* from this project to become known to others outside your company?

Within 2 years of project end	1
2 to 5 years after project end	
5 to 10 years after project end	
10 or more years after project end	
Never	

KNOWHOW DIFFUSION

How quickly do you expect the critical research "know-how" from this project to become known to others outside your company?

Within 2 years of project end	1
2 to 5 years after project end	2
5 to 10 years after project end	
10 or more years after project end	
Never	

	To what extent does your	Large	Moderate	Small	Not at all
	company encourage staff to:	Extent	Extent	Extent	
RES_PUB	Publish articles in research	4	3	2	1
	journals				
IND_PUB	Publish articles in trade	4	3	2	1
	publications				
RES_CONF	Participate in research	4	3	2	1
	meetings and conferences				
IND_CONF	Participate in industry	4	3	2	1
	meetings and conferences				

To what extent does your company plan to actively disseminate:

RESULTS_DISSEM	
Research <i>findings</i> from your ATP project?	
Large extent	4
Moderate extent	
Small extent	2
Not at all	1
KNOWHOW_DISSEM Research "know-how" from your ATP project?	
Large extent	/
Moderate extent	
Small extent	2
Not at all	1

Intellectual Property and Innovation

[If TYPE_OF_PARTICIPATION = SA] Consider the importance of existing intellectual property (IP) for carrying out your ATP project.
How important are each of the following:
Existing IP owned by your company OWN_BIP Extremely important
Existing IP owned by other companies or organizations that your company already has access to under negotiated agreements Extremely important Very important Somewhat important Not too important 1
Existing IP owned by other companies or organizations that your company will need to gain access to through future negotiation TBD_BIP Extremely important

[If TYPE OF PARTICIPATION = JVL or JVP] Consider the importance of existing intellectual property (IP) for carrying out your ATP joint venture (JV) project. How important are each of the following: OWN BIP Existing IP owned by your company Extremely important4 Very important......3 Not too important......1 Existing IP owned by your JV partners JVP BIP Extremely important4 Very important......3 Somewhat important2 Existing IP owned by companies or organizations outside of your JV, that your company already has access to under negotiated agreements LIC BIP Extremely important4 Very important......3 Not too important......1 Existing IP owned by companies or organizations outside of your JV, that your company will need to gain access to through future negotiation TBD BIP Extremely important4 Very important......3 Not too important......1

[If TYPE_OF_PARTICIPATION = SA] and [If BIP_PATENT = Yes]
Of the key patents that your ATP project depends on
BIP_OWN_PATENTS How many are owned by your company? Patents (0-99)
BIP_LIC_PATENTS How many are licensed from other companies or organizations? Patents (0-99)

[If TYPE_OF_PARTICIPATION = JV] and [If BIP_PATENT = Yes]
Of the key patents that your ATP project depends on
BIP OWN PATENTS
How many are owned by your company? Patents (0-99)
BIP_JVP_PATENTS How many are owned by your JV partners? Patents (0-99)
BIP_LIC_PATENTS How many are licensed from other companies or organizations outside your JV? Patents (0-99)

	For your company,	Extremely	Very	Somewhat	Not too
	how important are each	important	important	important	important
	of the following means				
	of capturing value from				
	innovation:				
VALCAP	Maintaining intellectual	4	3	2	1
_SECRECY	property through trade				
	secrecy				
VALCAP	Maintaining intellectual	4	3	2	1
_PATENT	property through patent				
	or copyright protection				
VALCAP	Being first to market	4	3	2	1
FIRSTMKT				_	
VALCAP	Using complementary	4	3	2	1
_RDCAPAB	R&D capabilities				
VALCAP	Using complementary	4	3	2	1
_OTHCAPAB	manufacturing,				
	distribution, or service				
	capabilities				

	How important are the	Extremely	Very	Somewhat	Not too
	following reasons in	important	important	important	important
	your company's	_	•	*	•
	decisions to patent				
	technology:				
PAT	To earn profits while	4	3	2	1
_PROFIT	keeping others from				
	copying your				
	technology				
PAT	To earn licensing	4	3	2	1
_LICREV	revenues				
PAT	To gain access to the	4	3	2	1
_TRADE	technology of others				
	through cross-				
	licensing agreements				
PAT	To block others from	4	3	2	1
_BLOCK	patenting technology				
	paths important to				
	your company				
PAT	To prevent patent	4	3	2	1
_DEFEND	infringement lawsuits				
	against your company				
PAT	To enhance the	4	3	2	1
_RDREP	reputation of your				
	company and your				
	R&D employees				

R&D Collaboration

[If TYPE_OF_PARTICIPATION = SA]

COLLAB RD

Has your company participated in collaborative R&D partnerships or relationships with other organizations within the past 3 years?

Yes1 No......2

[If TYPE_OF_PARTICIPATION = JVL or JVP]

COLLAB RD

Aside from your current ATP project, has your company participated in collaborative R&D partnerships or relationships with other organizations within the past 3 years?

$[If COLLAB_RD = Yes]$

Within the past 3 years, how many collaborative R&D partnerships or relationships has your company had with:

COLLAB CORP

Other companies?

0	1
1-2	2
3-5	
6-10	
11+	

COLLAB UNIV

Universities?

0	1
1-2	2
3-5	3
6-10	
11+	

COLLAB GOV

Government laboratories?

0	1
1-2	2
3-5	3
6-10	
11+	

5/9/05

COLLAB NP

Non-profit organizations?

0	.1
1-2	.2
3-5	
6-10	
11+	

[If TYPE OF PARTICIPATION = SA] In developing your ATP-funded project, to what extent did ... **SA INDIV TIES** Individuals in your company form new research ties or contacts with individuals at other organizations? Large extent4 Small extent2 Not at all...... SA NEWREL Your company establish new research partnerships or relationships with other organizations? Large extent4 Moderate extent3 Not at all......1 **SA EXTENDREL** Your company extend or strengthen existing research relationships with other organizations? Large extent4 Small extent2 Not at all.....1

[If TYPE_OF_PARTICIPATION = JVL or JVP]

How important was each of the following reasons in your company's decision to partner with other companies in the ATP-funded joint venture (JV) project.

	in the 7111 Tunded	Extremely	Very	Somewhat	Not too
		important	important	important	important
JV _POOL	To pool resources with other firms in order to reduce the cost of R&D or achieve a greater scale of effort	4	3	2	1
JV _RDCOMP	To benefit from complementary R&D expertise and capabilities of different firms	4	3	2	1
JV _LEARN	To gain knowledge and learn from other firms	4	3	2	1
JV _INDOBJ	To address a technological problem that is common to your industry	4	3	2	1
JV _BUS	To access commercialization capabilities of other firms	4	3	2	1
JV_OTH	Other,	4	3	2	1
JV_OS	please specify:				

[If TYPE OF PARTICIPATION = JVL or JVP] JV STRUCTURE Which of the following best characterizes the structure of your JV? Some partners are principal participants; other partners have supporting roles2 Would you characterize any of your JV partner companies as a: JV SUPPLIER _ Supplier (partner company provides inputs to your company's products/technologies) JV_CUSTOMER Customer (partner company purchases your company's products/technologies) JV COMPLEMENTOR "Complementor" (partner company's products/technologies are used together with your company's products/technologies) JV COMPETITOR _ Competitor (partner company serves the same product market as your company) JV OTHER, JV OSPEC _ Other, please specify: _____ JV PRIOR RESREL Prior to this project, to what extent did your company have existing **research** relationships with your JV partner organizations?4 Large extent Not at all...... JV_PRIOR_BUSREL Prior to this project, to what extent did your company have existing **business** relationships with your JV partner organizations? Large extent4 Small extent 2 Not at all.......

JV_COLLAB_GENEXP

Prior to this project, to what extent did key members of your project team have experience working in R&D collaborations with other companies?

Large extent4Moderate extent3Small extent2Not at all1

JV_COLLAB_SPECEXP

Prior to this project, to what extent did key members of your project team have experience working with key members from your JV partners' teams?

Large extent		4
Moderate exte	nt	3

Section 6: Research Effort

Line of Research

Consider the specific line of research represented by your ATP project.

LOR DESC

Please provide a brief descriptive definition for this line of research.

LOR PREV3 RD

In the three years **before the ATP award**, how much R&D expenditure did your company devote to this line of research? (Your best estimate is fine. Please include expenditures from both internal and external sources of funding.)

\$____(0.00-999.99)

Thousands1 Millions2

LOR_PREV3_UNITS

[If LOR PREV3 RD > 0]

LOR_PREV3_RD_EXT

What percent of the R&D expenditures for this line of research was funded from external sources outside your company (e.g., government sources, other companies)?

% Percent of R&D funded from external sources (0-100)

$[If LOR_PREV3_RD_EXT > 0]$

For the three years prior to this ATP award, please indicate the sources of external funding for this line of research.

Did your company receive funding from the following sources?

LOR_FED, LOR_FED_SPEC				
Federal government programs				
Yes1				
No2				
Don't Know7				
If Yes:				
Specify agency and program:				
LOR_LOCAL				
State and local government programs				
Yes1				
No2				
Don't Know7				
LOR OTH				
Other companies				
Yes1				
No2				
Don't Know7				

Project Effort

PROI	IDEA	DEV
INO	IDLA	

To what extent had you developed this R&D project idea prior to thinking about applying to ATP?

Large extent	4
Moderate extent	3
Small extent	
Not at all	

PROJ_WO_ATP

If the ATP funding had not been received, do you think your company would be carrying out any part of this project at this time?

Yes	1
No	2

If PROJ_WO_ATP = Yes: PROJ WO ATP SCALE

Without ATP funding, how much of the ATP project do you think your company would be carrying out?

1% to 20%	 1
21% to 40%.	2

If PROJ_WO_ATP_SCALE = 5 (81% to 100%): PROJ WO ATP SAME

Without ATP funding, would you have undertaken a project with the same or equivalent technical goals and milestones as the ATP project?

Yes	1
No	2.

[If TYPE OF PARTICIPATION = JVL or JVP]

JV WO ATP

If the ATP funding had not been received, do you think your company would be conducting collaborative work on this project research with any of your JV partner organizations at this time?

Yes	 	 			 		 					1	
No.													

Section 7: Technology Commercialization

Commercialization Characteristics

NUM LOB

How many lines of business does your company have?

__ Lines of business (0-99)

In the table below, please indicate the line(s) of business at your company that **your project technology will serve**.

Name of line of	Approximately, what	Approximately, what	Delete
business	percent of your company's	percent of your	Entry
	revenues are from this line	company's R&D	
	of business?	expenditures are	
		devoted to this line of	
		business?	
	%	%	
LOB#_NAME	LOB#_REV	LOB#_RD	
	(0-100)	(0-100)	

Add/Update

Press 'Add/Update' button to add another row, or to update table.

Technology Innovation

IECH_INNOV
[If TYPE OF PARTICIPATION = SA]
Please briefly describe the key technological innovation of your ATP project.
[If TYPE OF PARTICIPATION = JVL or JVP]
Please briefly describe the key technological innovation of your ATP project, and your company's contribution to that innovation.

TECH_ADVAN
What is the advantage of this technology over existing technologies or alternative technologies?

In the following questions, we use the term **product** to include both goods and services.

For your company, would you describe your ATP-funded technology as:

PRODUCT_TECH

A product technology	to implement new	or improved	products	with better	performance
characteristics					

PROCESS_TECH

A **process** technology to implement new or improved methods of production or delivery

With commercialization of your technology, do you expect your company to ...

REV_PROD

Earn new revenues from new products or significantly improved products?

SAV_PROC

Realize cost savings from implementing new production or delivery processes?

ROY_LIC

Receive royalties from licensing the technology to others?

Product and Applications

We use the term **product** to include both goods and services.

Please think about the product (the good or service) from your company that incorporates the ATP project technology. This product embodies either a product innovation or a process innovation from the ATP project.

PROD DESC

Please describe this product from your company. Describe the product in general terms; later in this section we will ask you to describe product applications.

[If TYPE_OF_PARTICIPATION	= JVL or JVP ADD THE FOLLOWING]
For joint venture (JV) projects, pleas	e describe only your company's product. Other JV
partner companies will report on the	r products.
<u> </u>	
Compared to existing products, does	this product provide
New features	PROD ADVAN FEAT
Improved performance	PROD ADVAN PERF
Lower cost	PROD ADVAN COST
Check all that apply.)	

We use the term **product application** to mean applications to specific industry uses. Please describe potential product applications that your company has identified.

Potential product applications	Delete
	Entry
APP#_DESC	

Add/Update

Press 'Add/Update' button to add another row, or to update table.

For product applications that will be commercialized from your ATP-funded technology, will your company carry out...

PROD_DEVEL Product developme	nt? Yes
PROD_MANU	
Manufacturing?	
	Yes 1 No
PROD_MARKET	ING
Marketing/Sales?	
	Yes1
	No
PROD_DISTRIB	
Distribution?	
	Yes1
	No2 Don't Know7
	Not Applicable8

SEEK_	SPART		
-------	-------	--	--

Will your company seek strategic partners for commercializing your ATP project technology?

Yes1

If SEEK_SPART =Yes:

What role will strategic partners pla	y in commercializing your	ATP project technology
(Check all that apply.)		

Product Development	SPART PD
Manufacturing	SPART MANU
Marketing/Sales	SPART MS
Distribution	SPART DIST

___Other, please specify: _______SPART_OTH, SPART_OS

Commercialization Value

The following items ask about anticipated value from commercialization of your project technology.

ANNREV2, ANNREV5, AN	
-	EV5_UNITS, ANNREV10_UNITS
	the ATP-funded technology on your company. What do you
	of this technology on your company's annual revenues?
2 years after project end	
5 years after project end	
10 years after project end	
	Thousands1
	Millions2
	Billions3
PROFIT_MARGIN	
What do you expect will be t	he gross profit margin on sales from your company's
products resulting from your	technology?
% (-100-999)	
LOB_PROFIT_MARGIN	
	cal gross profit margin on sales in this line of business?
% (-100-999)	
/v (100 <i>))))</i>	
ANNSAV2, ANNSAV5, AN	INCAVIO
	AV5_UNITS, ANNSAV10_UNITS
	gs do you expect your company to receive from process
improvements resulting from	· · · · · · · · · · · · · · · · · · ·
2 years after project end	\$(0-999.9)
5 years after project end	\$(0-999.9)
10 years after project end	\$(0-999.9)
	Thousands1
	Millions2
	Billions3

ANNLIC2, ANNLIC5, ANN	
	C5_UNITS, ANNLIC10_UNITS
-	es do you expect your company to receive from licensing
your technology to others?	. (0.000.0)
2 years after project end	\$(0-999.9)
5 years after project end	\$(0-999.9)
10 years after project end	\$(0-999.9)
	Thousands1 Millions2
	Billions3
	Difficus
TOTAL_ADD_INVEST	
	w much total additional investment do you expect your
	in order to commercialize the project technology?
\$(0-999.9)	in order to commercianze the project teenhology.
	nds1 TOTAL_ADD_INVEST_UNITS
	s2
Billions	3
CALC_NPV	
	a Net Present Value (NPV) in planning or seeking funding
for this ATP project?	
	1
No	2
[If CALC_NPV = Yes]	
IN CALC_INI V = ICS	
NPV_VALUE	
-	alue your company calculated for this project?
\$ Net present value (0.	
	nds1 NPV_VALUE_UNITS
	S2
	3
NPV_DISC_RATE	
What discount rate did your	company use in calculating the Net Present Value for this
project?	
% Discount rate (1-99)	
CALC_IRR	
	an Internal Rate of Return (IRR) in planning or seeking
funding for this ATP project	
Yes	1
	2

[If CALC_IRR = Yes] IRR_VALUE What was the Internal Rate of Return your company calculated for this project? _____ % Internal rate of return (-99-999)

USE HURDLE

In making R&D or capital investment decisions, does your company base its decisions on a required rate of return (sometimes called the hurdle rate)?

Yes	 	 	 	1
				2

[If USE_HURDLE = Yes]

RD_HURDLE

What is the required rate of return that your company typically applies to R&D investment decisions?

__ % Required rate of return for R&D investment (1-99)

CAP HURDLE

What is the required rate of return that your company typically applies to capital investment decisions?

____ % Required rate of return for capital investment (1-99)

Finally, it is important that we have a ballpark estimate of the downstream benefits of your ATP-funded technology to industry users and consumers.

END_USER_NETVALUE2, END_USER_NETVALUE5, END_USER_NETVALUE10 END_USER_UNITS2, END_USER_UNITS5, END_USER_UNITS10

Think of how the industry might change, including both positive and negative effects, as a result of the commercialization of your ATP-funded technology. What is your estimate of the overall **net value** to your downstream industry users from products or services resulting from your technology?

2 years after project end	\$(0-999.9)	
5 years after project end	\$(0-999.9)	
10 years after project end	\$(0-999.9)	
	Thousands	1
	Millions	2
	Billions	3

CONSUMER_NETVALUE2, CONSUMER_NETVALUE5, CONSUMER_NETVALUE10

NETVALUE_UNITS2, NETVALUE_UNITS5, NETVALUE_UNITS10

Think of how the consumer marketplace might change, including both positive and negative, as a result of the commercialization of your ATP-funded technology. What is your estimate of **net benefits** to consumers from products or services resulting from your technology?

\$(0-999.9)	
\$(0-999.9)	
\$(0-999.9)	
Thousands	1
Millions	2
	\$(0-999.9) \$(0-999.9) Thousands

Section 8: Future BRS Reports

BRS Contact Person

The BRS Contact Person for your company will receive future notifications regarding BRS reports. From the list below, please designate your BRS Contact Person.

[INSERT KEY PERSONNEL TABLE WITH "ADD A NEW NAME OPTION"]

If TCON, BCON, or ACON selected, pre-fill all available information:

Please verify the following contact information for [selected name]: RCON FNAME First Name RCON_LNAME Last Name RCON SALUT [Drop down box with following options: Dr., Mr., Miss, Mrs.] RCON_TITLE **Position Title** RCON_GNDR Gender Male____ Female _____ Organization Name Line 1 RCON ORG1 Organization Name Line 2 RCON_ORG2 RCON_ADD1 Street Address Line 1 (no PO Box addresses, please) Street Address Line 2: RCON ADD2 Street Address Line 3 RCON_ADD3 RCON_CITY City RCON_STATE State RCON ZIP Zip RCON PHONE Telephone RCON_EXT Ext. RCON FAX Fax RCON_EMAIL E-mail

If old name that is not TCON, BCON, OR ACON selected (pre-fill all available information):

Please provide the following contact information for [selected name]: RCON_FNAME First Name **RCON LNAME** Last Name RCON_SALUT [Drop down box with following options: Dr., Mr., Miss, Mrs., Ms.] RCON TITLE Position Title Gender RCON_GNDR Male____ Female _____ RCON_ORG1 Organization Name Line 1 Organization Name Line 2 RCON_ORG2 Street Address Line 1 (no PO Box addresses, please) RCON ADD1 RCON_ADD2 Street Address Line 2: RCON_ADD3 Street Address Line 3 RCON_CITY City RCON STATE State RCON_ZIP Zip RCON_PHONE Telephone RCON_EXT Ext. RCON_FAX Fax RCON EMAIL E-mail

If "ADD A NEW NAME selected:

Please provide the following contact information for the BRS Contact Person:

RCON FNAME First Name RCON LNAME Last Name RCON SALUT [Drop down box with following options: Dr., Mr., Miss, Mrs.] **RCON TITLE** Position Title Male____ Female _____ RCON GNDR Gender RCON ORG1 Organization Name Line 1 RCON_ORG2 Organization Name Line 2 Street Address Line 1 (no PO Box addresses, please) RCON ADD1 RCON ADD2 Street Address Line 2: Street Address Line 3 RCON ADD3 RCON_CITY City RCON_STATE State RCON ZIP Zip Telephone RCON PHONE Ext. RCON_EXT RCON FAX Fax RCON_EMAIL E-mail

Comments

We are very interested in your reactions to this Baseline Report. Below are a few questions which will assist us in improving the report for future administrations.

DIFF_NAV
How difficult or easy was it to navigate through the report? Very difficult5
Somewhat difficult4
Neither difficult or easy3
Somewhat easy2 Very easy1
NUM_CONSULTED
How many people did you consult to answer questions on the report?
REPORT_LIKED
Was there anything you particularly liked about this web-based report? If so, please tell
us.

REPORT_IMPROVE
Are there any improvements that you would like to recommend? If so, please tell.