JUSTIFICATION FOR QUALIFICATION REQUIREMENTS

FAR 9.202(a) and DoD 4120.24M

Section A: Item Identification

1.Stock Number (NSN): **1377-01-271-5484ES**

2.Contractor Part Number(s): **6038100-08**

3.Noun: **AND Gate Type II**

4.Application: **B-1B**

Section B: Justification for Establishing a Qualification Requirement and Reason Why Qualification Requirement Must Be Demonstrated Prior to Any Contract Award.

1.Characteristics associated with the manufacture of the AND Gate Type II, if not correct, would result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Special care and attention is required but not limited to finish, processing, assembly, performance, and part interchangeability of this item.

2.The prospective bidder's ability to interpret engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and functional integrity and/or form, fit, and function of the item being procured.

3.Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4.Completion of the specified pre-contract award qualification requirements will ensure the government that the prospective offeror is technically capable of producing the item incompliance with the applicable technical specifications and associated drawings and within the schedule and economic constraints of our contracts. To protect the interests of the AirForce, only United States and Canada suppliers will be considered. There are sufficient technical and schedule risks, which can only be minimized by completion of the requirements prior to contract award.

Section C: Qualification Requirements That Must be Satisfied to Become a Qualified Source and Qualification Waiver Requirements.

1. ***Prequalification Notice.*** The offeror shall notify AFLCMC/EBHJ CAD/PAD IPT or, if responding to a solicitation, the contracting officer in AFLCMC/EBHKB of intent to qualify as a source for this item.

2. ***Facilities.*** The offeror must certify to the design control activity (AFLCMC/EBHJ CAD/PAD IPT) that they have the required facilities and equipment to manufacture, inspect, test, and package

the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

3. *Data Verification.* A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the AFLCMC/EBHKB contracting office to the AFLCMC/EBHJ CAD/PAD IPT. Qualification testing must be accomplished in accordance with **L431C2028**.

4. *Process Verification.* The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the items being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity identified in paragraph 2 above. The contractor must be capable of locating alternative components to minimize any diminishing manufacturing sources (DMS) problems.

5. *Test and Evaluation or Verification.* The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the item. The government retains the option to inspect the offeror's production and testing facilities. To allow for government inspection, the offeror's facilities shall be made available to government inspection during the qualification effort upon 10 days written notice.

6. *Qualification Article.* Upon satisfactory compliance with the provisions of paragraphs 1 to 5 above, the offeror shall build and test the item in accordance with **L431C2028** to demonstrate production capability, form and function and also provide an inert **AND Gate Type II** to demonstrate proper fit. This production and testing shall be done at the offeror's expense. Estimated likely costs for government-unique testing and evaluation which will be incurred by the potential offeror to become qualified: $5,000 to $50,000 +.

7. *Sensitive Military Technology.* Not applicable.

8. *Testing and Production Evaluation.* The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements, including top level drawing and all related item and source control drawings. In addition the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror is responsible and liable for ensuring compliance with all applicable system and item requirements. The offeror will provide notification to the government of testing and evaluation 30 days in advance so the government can witness, if desired, as well as coordinate needed activities, support, etc.

9. *Time Completion Estimate.* The design control activity estimates completion of qualification efforts should require 360 days. This is based on complexity and hazards associated with the item and other factors. This is not a deadline but a notification to a potential offeror of the time believed to be required. Events that occur during the qualification process may increase or perhaps decrease, this time depending on individual circumstances.

10. *Time Limitation.* An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11. *Evaluation of Proposals Not Previously Qualified.* The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in this Justification for Qualification Requirements before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12.*Waiver.* Any offeror who has had previous experience in the production of the **AND Gate Type II** or other similar items may apply to the design control activity identified in paragraph 2for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

13.*Approval.* Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.

Approved Sources:	Cage Code	Vendor P/N
Chemring Energetic Devices	**93455**	**6038100-08**

Section D: Signatures.

X

Zachary Kelly
AFLCMC/EBHJ Engineer

X

Andrew Hatch
AFLCMC Contracting - Hill SSL

JUSTIFICATION FOR QUALIFICATION REQUIREMENTS

FAR 9.202(a) and DoD 4120.24M

Section A: Item Identification

1. Stock Number (NSN): **1377-01-271-5483ES**

2. Contractor Part Number(s): **6038100-07**

3. Noun: **AND Gate Type I**

4. Application: **B-1B**

Section B: Justification for Establishing a Qualification Requirement and Reason Why Qualification Requirement Must Be Demonstrated Prior to Any Contract Award.

1. Characteristics associated with the manufacture of the AND Gate Type I, if not correct, would result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Special care and attention is required but not limited to finish, processing, assembly, performance, and part interchangeability of this item.

2. The prospective bidder's ability to interpret engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and functional integrity and/or form, fit, and function of the item being procured.

3. Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4. Completion of the specified pre-contract award qualification requirements will ensure the government that the prospective offeror is technically capable of producing the item in compliance with the applicable technical specifications and associated drawings and within the schedule and economic constraints of our contracts. To protect the interests of the Air Force, only United States and Canada suppliers will be considered. There are sufficient technical and schedule risks, which can only be minimized by completion of the requirements prior to contract award.

Section C: Qualification Requirements That Must be Satisfied to Become a Qualified Source and Qualification Waiver Requirements.

1. Prequalification Notice. The offeror shall notify AFLCMC/EBHJ CAD/PAD IPT or, if responding to a solicitation, the contracting officer in AFLCMC/EBHKB of intent to qualify as a source for this item.

2. ***Facilities.*** The offeror must certify to the design control activity (AFLCMC/EBHJ CAD/PAD IPT) that they have the required facilities and equipment to manufacture, inspect, test, and package the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

3. *Data Verification.* A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the AFLCMC/EBHKB contracting office to the AFLCMC/EBHJ CAD/PAD IPT. Qualification testing must be accomplished in accordance with **L431C2028**.

4. *Process Verification.* The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the items being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity identified in paragraph 2 above. The contractor must be capable of locating alternative components to minimize any diminishing manufacturing sources (DMS) problems.

5. *Test and Evaluation or Verification.* The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the item. The government retains the option to inspect the offeror's production and testing facilities. To allow for government inspection, the offeror's facilities shall be made available to government inspection during the qualification effort upon 10 days written notice.

6. *Qualification Article.* Upon satisfactory compliance with the provisions of paragraphs 1 to 5 above, the offeror shall build and test the item in accordance with **L431C2028** to demonstrate production capability, form and function and also provide an inert **AND Gate Type I** to demonstrate proper fit. This production and testing shall be done at the offeror's expense.

Estimated likely costs for government-unique testing and evaluation which will be incurred by the potential offeror to become qualified: $5,000 to $50,000 +.

7. *Sensitive Military Technology.* Not applicable.

8. *Testing and Production Evaluation.* The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements, including top level drawing and all related item and source control drawings. In addition the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror is responsible and liable for ensuring compliance with all applicable system and item requirements. The offeror will provide notification to the government of testing and evaluation 30 days in advance so the government can witness, if desired, as well as coordinate needed activities, support, etc.

9. *Time Completion Estimate.* The design control activity estimates completion of qualification efforts should require 360 days. This is based on complexity and hazards associated with the item and other factors. This is not a deadline but a notification to a potential offeror of the time believed to be required. Events that occur during the qualification process may increase or perhaps decrease, this time depending on individual circumstances.

10. ***Time Limitation.*** An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11. ***Evaluation of Proposals Not Previously Qualified.*** The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in this Justification for Qualification Requirements before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12.***Waiver.*** Any offeror who has had previous experience in the production of the **AND Gate Type I** or other similar items may apply to the design control activity identified in paragraph 2for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

13.***Approval.*** Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.

Approved Sources:	Cage Code	Vendor P/N
Chemring Energetic Devices	**93455**	**6038100-07**

Section D: Signatures.

X _____

Zachary Kelly
AFLCMC/EBHJ Engineer

X _____

Andrew Hatch
AFLCMC Contracting - Hill SSL

JUSTIFICATION FOR QUALIFICATION REQUIREMENTS

FAR 9.202(a) and DoD 4120.24M

Section A: Item Identification

1.Stock Number (NSN): **1377-01-271-5485ES**

2.Contractor Part Number(s): **6038100-09**

3.Noun: **AND Gate Type III**

4.Application: **B-1B**

Section B: Justification for Establishing a Qualification Requirement and Reason Why Qualification Requirement Must Be Demonstrated Prior to Any Contract Award.

1.Characteristics associated with the manufacture of the AND Gate Type III, if not correct ,would result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Special care and attention is required but not limited to finish, processing, assembly, performance, and part interchangeability of this item.

2.The prospective bidder's ability to interpret engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and functional integrity and/or form, fit, and function of the item being procured.

3.Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4.Completion of the specified pre-contract award qualification requirements will ensure the government that the prospective offeror is technically capable of producing the item incompliance with the applicable technical specifications and associated drawings and within the schedule and economic constraints of our contracts. To protect the interests of the AirForce, only United States and Canada suppliers will be considered. There are sufficient technical and schedule risks, which can only be minimized by completion of the requirements prior to contract award.

Section C: Qualification Requirements That Must be Satisfied to Become a Qualified Source and Qualification Waiver Requirements.

1. ***Prequalification Notice.*** The offeror shall notify AFLCMC/EBHJ CAD/PAD IPT or, if responding to a solicitation, the contracting officer in AFLCMC/EBHKB of intent to qualify as a source for this item.

2. ***Facilities.*** The offeror must certify to the design control activity (AFLCMC/EBHJ CAD/PAD IPT) that they have the required facilities and equipment to manufacture, inspect, test, and package

the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

3. *Data Verification.* A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the AFLCMC/EBHKB contracting office to the AFLCMC/EBHJ CAD/PAD IPT. Qualification testing must be accomplished in accordance with **L431C2028**.

4. *Process Verification.* The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the items being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity identified in paragraph 2 above. The contractor must be capable of locating alternative components to minimize any diminishing manufacturing sources (DMS) problems.

5. *Test and Evaluation or Verification.* The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the item. The government retains the option to inspect the offeror's production and testing facilities. To allow for government inspection, the offeror's facilities shall be made available to government inspection during the qualification effort upon 10 days written notice.

6. *Qualification Article.* Upon satisfactory compliance with the provisions of paragraphs 1 to 5 above, the offeror shall build and test the item in accordance with **L431C2028** to demonstrate production capability, form and function and also provide an inert **AND Gate Type III** to demonstrate proper fit. This production and testing shall be done at the offeror's expense. Estimated likely costs for government-unique testing and evaluation which will be incurred by the potential offeror to become qualified: $5,000 to $50,000 +.

7. *Sensitive Military Technology.* Not applicable.

8. *Testing and Production Evaluation.* The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements, including top level drawing and all related item and source control drawings. In addition the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror is responsible and liable for ensuring compliance with all applicable system and item requirements. The offeror will provide notification to the government of testing and evaluation 30 days in advance so the government can witness, if desired, as well as coordinate needed activities, support, etc.

9. *Time Completion Estimate.* The design control activity estimates completion of qualification efforts should require 360 days. This is based on complexity and hazards associated with the item

and other factors. This is not a deadline but a notification to a potential offeror of the time believed to be required. Events that occur during the qualification process may increase or perhaps decrease, this time depending on individual circumstances.

10. ***Time Limitation.*** An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11. ***Evaluation of Proposals Not Previously Qualified.*** The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in this Justification for Qualification Requirements before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12.***Waiver.*** Any offeror who has had previous experience in the production of the **AND Gate Type III** or other similar items may apply to the design control activity identified in paragraph 2for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

13.***Approval.*** Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.

Approved Sources:	Cage Code	Vendor P/N
Chemring Energetic Devices	**93455**	**6038100-09**

Section D: Signatures.

X _____

Zachary Kelly
AFLCMC/EBHJ Engineer

X _____

Andrew Hatch
AFLCMC Contracting - Hill SSL

JUSTIFICATION FOR QUALIFICATION REQUIREMENTS
FAR 9.202(a) and DoD 4120.24M

Section A: Item Identification

ALT NSN	Cage	Part Number	DODIC
1377013849246ES	93455	6110200	SQ34
1377013758919ES	93455	6108100	MT60
1377013840106ES	93455	6110100	MT64

Noun: CED Initiators Application: B-1B

Section B: Justification for Establishing a Qualification Requirement and Reason Why Qualification Requirement Must Be Demonstrated Prior to Any Contract Award.

1.The CED Initiators are critical safety items (CSI). Characteristics associated with the manufacture of Inert Items, if not correct, would result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Special care and attention is required but not limited to finish, processing, assembly, performance, and part interchangeability of this item. These items are proprietary to CED.

2.The prospective bidder's ability to interpret engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and functional integrity and/or form, fit, and function of the item being procured.

3.Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4.Completion of the specified pre-contract award qualification requirements, will ensure the government that the prospective offeror is technically capable of producing the item incompliance with the applicable technical specifications and associated drawings and within the schedule and economic constraints of our contracts. To protect the interests of the AirForce, only United States suppliers will be considered. There are sufficient technical and schedule risks, which can only be minimized by completion of the requirements prior to contract award.

Section C: Qualification Requirements That Must be Satisfied to Become a Qualified Source and Qualification Waiver Requirements.

1.*Prequalification Notice.* The offeror shall notify AFLCMC/EBHJ CAD/PAD IPT or, if responding to a solicitation, the contracting officer in AFLCMC/PKZ of intent to qualify as a source for this item.

2.*Facilities.* The offeror must certify to the design control activity (AFLCMC/EBHJCAD/PAD IPT) that they have the required facilities and equipment to manufacture, inspect, test, and package the

item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

3.*Data Verification.* A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the AFLCMC/EBHKB contracting office to the AFLCMC/EBHJ CAD/PAD IPT. Qualification testing must be accomplished in accordance with 68B710072.

4.*Process Verification.* The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the items being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce, and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity identified in paragraph 2 above. The contractor must be capable of locating alternative components to minimize any diminishing manufacturing sources (DMS) problems.

5.*Test and Evaluation or Verification.* The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the item. The government retains the option to inspect the offeror's production and testing facilities. To allow for government inspection, the offeror's facilities shall be made available to government inspection during the qualification effort upon 10 days written notice.

6.*Qualification Article.* Upon satisfactory compliance with the provisions of paragraphs 1to 5 above, the offeror shall build and test the item in accordance with 68B710072 to demonstrate production capability, form and function and also provide an inert sample to demonstrate proper fit. This production and testing shall be done at the offeror's expense. Estimated likely costs for government-unique testing and evaluation which will be incurred by the potential offeror to become qualified: $5,000 to $50,000 +.

7.*Sensitive Military Technology.* Not applicable.

8.*Testing and Production Evaluation.* The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements, including top level drawing and all related item and source control drawings. In addition, the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror is responsible and liable for ensuring compliance with all applicable system and item requirements. The offeror will provide notification to the government of testing and evaluation 30 days in advance so the government can witness, if desired, as well as coordinate needed activities, support, etc.

9.*Time Completion Estimate.* The design control activity estimates completion of qualification efforts should require 360 days. This is based on complexity and hazards associated with the item and other factors. This is not a deadline but a notification to a potential offeror of the time believed to be required. Events that occur during the qualification process may increase or perhaps decrease, this time depending on individual circumstances.

10.*Time Limitation.* An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11.*Evaluation of Proposals Not Previously Qualified.* The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in this Justification for Qualification Requirements before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12.*Waiver.* Any offeror who has had previous experience in the production of the Handles or other similar items may apply to the design control activity identified in paragraph 2 for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

13.*Approval.* Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.

Approved Sources:	Cage Code	Vendor P/N
CED	93455	See List Above

Section D: Signatures.

X_____

Zachary Kelly

AFLCMC/EBHJ System Engineer

X_____

JUSTIFICATION FOR QUALIFICATION REQUIREMENTS

FAR 9.202(a) and DoD 4120.24M

Section A: Item Identification

NSN	Cage	Part number	ALT NSN	Cage	Part number	DODIC	Noun
1377012297600ES	06331	816852-11	1377013568732ES	93455	6106600	MU17	1.6 Sec Time Delay
1377012321677ES	06331	816852-2	1377013568734ES	93455	6106800	MU16	3.2 Sec Time Delay
1377012321960ES	06331	816852-10	1377013568731ES	93455	6106500	MU15	1.0 Sec Time Delay
1377012340719ES	06331	816851-11	1377013568735ES	93455	6106300	MU19	0.7 Sec Time Delay
1377012340822ES	06331	816851-2	1377013565592ES	93455	6106100	MU79	0.3 Sec Time Delay
1377012344044ES	06331	816852-12	1377013568733ES	93455	6106700	MU18	2.4 Sec Time Delay
1377012346208ES	06331	816851-12	1377013568730ES	93455	6106400	MJ93	0.7 Sec Time Delay
1377012340821ES	06631	816851-4	1377013565593ES	93455	6106200	MU80	0.5 Sec Time Delay

Noun: CED Time Delays

Application: B-1B

Section B: Justification for Establishing a Qualification Requirement and Reason Why Qualification Requirement Must Be Demonstrated Prior to Any Contract Award.

1. The CED Time Delays are critical safety items (CSI). Characteristics associated with the manufacture of Inert Items, if not correct, would result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Special care and attention is required but not limited to finish, processing, assembly, performance, and part interchangeability of this item. These items are proprietary to CED.

2. The prospective bidder's ability to interpret engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and functional integrity and/or form, fit, and function of the item being procured.

3. Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4. Completion of the specified pre-contract award qualification requirements, will ensure the government that the prospective offeror is technically capable of producing the item in compliance with the applicable technical specifications and associated drawings and within the schedule and economic constraints of our contracts. To protect the interests of the Air Force, only United States suppliers will be considered. There are sufficient technical and

schedule risks, which can only be minimized by completion of the requirements prior to contract award.

Section C: Qualification Requirements That Must be Satisfied to Become a Qualified Source and Qualification Waiver Requirements.

1. ***Prequalification Notice.*** The offeror shall notify AFLCMC/EBHJ CAD/PAD IPT or, if responding to a solicitation, the contracting officer in AFLCMC/PKZ of intent to qualify as a source for this item.

2. ***Facilities.*** The offeror must certify to the design control activity (AFLCMC/EBHJ CAD/PAD IPT) that they have the required facilities and equipment to manufacture, inspect, test, and package the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

3. ***Data Verification.*** A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the AFLCMC/EBHKB contracting office to the AFLCMC/EBHJ CAD/PAD IPT. Qualification testing must be accomplished in accordance with 68B710072.

4. ***Process Verification.*** The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the items being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity identified in paragraph 2 above. The contractor must be capable of locating alternative components to minimize any diminishing manufacturing sources (DMS) problems.

5. ***Test and Evaluation or Verification.*** The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the item. The government retains the option to inspect the offeror's production and testing facilities. To allow for government inspection, the offeror's facilities shall be made available to government inspection during the qualification effort upon 10 days written notice.

6. ***Qualification Article.*** Upon satisfactory compliance with the provisions of paragraphs 1 to 5 above, the offeror shall build and test the item in accordance with 68B710072 to demonstrate production capability, form and function and also provide an inert sample to demonstrate proper fit. This production and testing shall be done at the offeror's expense.

Estimated likely costs for government-unique testing and evaluation which will be incurred by the potential offeror to become qualified: $5,000 to $50,000 +.

7. ***Sensitive Military Technology.*** Not applicable.

8. ***Testing and Production Evaluation.*** The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements, including top level drawing and all related item and source control drawings. In addition the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror is responsible and liable for ensuring compliance with all applicable system and item requirements. The offeror will provide notification to the government of testing and evaluation 30 days in advance so the government can witness, if desired, as well as coordinate needed activities, support, etc.

9. ***Time Completion Estimate.*** The design control activity estimates completion of qualification efforts should require 360 days. This is based on complexity and hazards associated with the item and other factors. This is not a deadline but a notification to a potential offeror of the time believed to be required. Events that occur during the qualification process may increase or perhaps decrease, this time depending on individual circumstances.

10. ***Time Limitation.*** An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11. ***Evaluation of Proposals Not Previously Qualified.*** The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in this Justification for Qualification Requirements before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12. ***Waiver.*** Any offeror who has had previous experience in the production of the Handles or other similar items may apply to the design control activity identified in paragraph 2 for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

13. ***Approval.*** Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.

Approved Sources:	Cage Code	Vendor P/N
CED	93455	See list above

Section D: Signatures.

X_____

X_____

JUSTIFICATION FOR QUALIFICATION REQUIREMENTS

FAR 9.202(a) and DoD 4120.24M

Section A: Item Identification

1.Stock Number (NSN): **1377-01-455-1511ES**

2.Contractor Part Number(s): **6129100**

3.Noun: **Cabin Decompression Sensor**

4.Application: **B-1B**

Section B: Justification for Establishing a Qualification Requirement and Reason Why Qualification Requirement Must Be Demonstrated Prior to Any Contract Award.

1. Characteristics associated with the manufacture of the Cabin Decompression Sensor, if not correct, would result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Special care and attention is required but not limited to finish, processing, assembly, performance, and part interchangeability of this item.

2. The prospective bidder's ability to interpret engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and functional integrity and/or form, fit, and function of the item being procured.

3. Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4. Completion of the specified pre-contract award qualification requirements will ensure the government that the prospective offeror is technically capable of producing the item incompliance with the applicable technical specifications and associated drawings and within the schedule and economic constraints of our contracts. To protect the interests of the AirForce, only United States and Canada suppliers will be considered. There are sufficient technical and schedule risks, which can only be minimized by completion of the requirements prior to contract award.

Section C: Qualification Requirements That Must be Satisfied to Become a Qualified Source and Qualification Waiver Requirements.

1. ***Prequalification Notice.*** The offeror shall notify AFLCMC/EBHJ CAD/PAD IPT or, if responding to a solicitation, the contracting officer in AFLCMC/EBHKB of intent to qualify as a source for this item.

2. ***Facilities.*** The offeror must certify to the design control activity (AFLCMC/EBHJCAD/PAD IPT) that they have the required facilities and equipment to manufacture, inspect, test, and package the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

3. ***Data Verification.*** A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the AFLCMC/EBHKB contracting office to the AFLCMC/EBHJ CAD/PAD IPT. Qualification testing must be accomplished in accordance with **L431C2027**.

4. ***Process Verification.*** The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the items being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity identified in paragraph 2 above. The contractor must be capable of locating alternative components to minimize any diminishing manufacturing sources (DMS) problems.

5. ***Test and Evaluation or Verification.*** The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the item. The government retains the option to inspect the offeror's production and testing facilities. To allow for government inspection, theofferor's facilities shall be made available to government inspection during the qualification effort upon 10 days written notice.

6. ***Qualification Article.*** Upon satisfactory compliance with the provisions of paragraphs 1to 5 above, the offeror shall build and test the item in accordance with **L431C2027** to demonstrate production capability, form and function and also provide an inert **Cabin Decompression Sensor** to demonstrate proper fit. This production and testing shall be done at the offeror's expense.

Estimated likely costs for government-unique testing and evaluation which will be incurred by the potential offeror to become qualified: $5,000 to $50,000 +.

7. ***Sensitive Military Technology.*** Not applicable.

8. ***Testing and Production Evaluation.*** The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements, including top level drawing and all related item and source control drawings. In addition the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror is responsible and liable for ensuring compliance with all applicable system and item requirements. The offeror will provide notification to the government of testing and evaluation 30 days in advance so the government can witness, if desired, as well as coordinate needed activities, support, etc.

9. ***Time Completion Estimate.*** The design control activity estimates completion of qualification efforts should require 360 days. This is based on complexity and hazards associated with the item and other factors. This is not a deadline but a notification to a potential offeror of the time believed to be required. Events that occur during the qualification process may increase or perhaps decrease, this time depending on individual circumstances.

10. ***Time Limitation.*** An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11.***Evaluation of Proposals Not Previously Qualified.*** The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in this Justification for Qualification Requirements before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12. ***Waiver.*** Any offeror who has had previous experience in the production of the **Cabin Decompression Sensor** or other similar items may apply to the design control activity identified in paragraph 2 for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

13. ***Approval.*** Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.
Approved Sources: Cage Code Vendor P/N

Chemring Energetic Devices 93455 6129100

Section D: Signatures.

X

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JUSTIFICATION FOR QUALIFICATION REQUIREMENTS

FAR 9.202(a) and DoD 4120.24M

Section A: Item Identification

NSN	Cage	Part Number	DODIC	NOUN
1377014549875ES	93455	6130200	MT75	Input Cart, Aft Hatch Rem
1377014549874ES	93455	6130300	MT19	Output Init, Aft Hatch Rem
1377014549862ES	93455	6131200	MU88	Input Cart, fwd hatch rem
1377014549860ES	93455	6131100	MU22	Output Init, fwd hatch rem

Noun: Hatch Removers

Application: B-1B

Section B: Justification for Establishing a Qualification Requirement and Reason Why Qualification Requirement Must Be Demonstrated Prior to Any Contract Award.

1. The Hatch Removers are critical safety items (CSI). Characteristics associated with the manufacture of Inert Items, if not correct, would result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Special care and attention is required but not limited to finish, processing, assembly, performance, and part interchangeability of this item. These items are proprietary.

2. The prospective bidder's ability to interpret engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and functional integrity and/or form, fit, and function of the item being procured.

3. Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4. Completion of the specified pre-contract award qualification requirements, will ensure the government that the prospective offeror is technically capable of producing the item in compliance with the applicable technical specifications and associated drawings and within the schedule and economic constraints of our contracts. To protect the interests of the Air Force, only United States suppliers will be considered. There are sufficient technical and schedule risks, which can only be minimized by completion of the requirements prior to contract award.

Section C: Qualification Requirements That Must be Satisfied to Become a Qualified Source and Qualification Waiver Requirements.

1. ***Prequalification Notice.*** The offeror shall notify AFLCMC/EBHJ CAD/PAD IPT or, if responding to a solicitation, the contracting officer in AFLCMC/PKZ of intent to qualify as a source for this item.

2. ***Facilities.*** The offeror must certify to the design control activity (AFLCMC/EBHJ CAD/PAD IPT) that they have the required facilities and equipment to manufacture, inspect, test, and package the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

3. ***Data Verification.*** A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the AFLCMC/EBHKB contracting office to the AFLCMC/EBHJ CAD/PAD IPT. Qualification testing must be accomplished in accordance with 68B710072.

4. ***Process Verification.*** The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the items being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity identified in paragraph 2 above. The contractor must be capable of locating alternative components to minimize any diminishing manufacturing sources (DMS) problems.

5. ***Test and Evaluation or Verification.*** The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the item. The government retains the option to inspect the offeror's production and testing facilities. To allow for government inspection, the offeror's facilities shall be made available to government inspection during the qualification effort upon 10 days written notice.

6. ***Qualification Article.*** Upon satisfactory compliance with the provisions of paragraphs 1 to 5 above, the offeror shall build and test the item in accordance with 68B710072 to demonstrate production capability, form and function and also provide an inert sample to demonstrate proper fit. This production and testing shall be done at the offeror's expense.

Estimated likely costs for government-unique testing and evaluation which will be incurred by the potential offeror to become qualified: $5,000 to $50,000 +.

7. ***Sensitive Military Technology.*** Not applicable.

8. ***Testing and Production Evaluation.*** The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements, including top level drawing and all related item and source control drawings. In addition the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror is responsible and liable for ensuring compliance with all applicable system and item requirements. The offeror will provide notification to the government of testing and evaluation 30 days in advance so the government can witness, if desired, as well as coordinate needed activities, support, etc.

9. ***Time Completion Estimate.*** The design control activity estimates completion of qualification efforts should require 360 days. This is based on complexity and hazards associated with the item and other factors. This is not a deadline but a notification to a potential offeror of the time believed to be required. Events that occur during the qualification process may increase or perhaps decrease, this time depending on individual circumstances.

10. ***Time Limitation.*** An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11. ***Evaluation of Proposals Not Previously Qualified.*** The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in this Justification for Qualification Requirements before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12. ***Waiver.*** Any offeror who has had previous experience in the production of the Handles or other similar items may apply to the design control activity identified in paragraph 2 for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

13. ***Approval.*** Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.

Approved Sources:	Cage Code	Vendor P/N
CED	93455	See list above

Section D: Signatures.

X

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JUSTIFICATION FOR QUALIFICATION REQUIREMENTS

FAR 9.202(a) and DoD 4120.24M

Section A: Item Identification

1.Stock Number (NSN): **1377-01-237-4417ES**

2.Contractor Part Number(s): **6039100**

3.Noun: **Mode Selector**

4.Application: **B-1**

Section B: Justification for Establishing a Qualification Requirement and Reason Why Qualification Requirement Must Be Demonstrated Prior to Any Contract Award.

1. The CED Mode Selector are critical safety items (CSI). Characteristics associated with the manufacture of Inert Items, if not correct, would result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Special care and attention is required but not limited to finish, processing, assembly, performance, and part interchangeability of this item. These items are proprietary to CED.

2. The prospective bidder's ability to interpret engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and functional integrity and/or form, fit, and function of the item being procured.

3. Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4. Completion of the specified pre-contract award qualification requirements, will ensure the government that the prospective offeror is technically capable of producing the item in compliance with the applicable technical specifications and associated drawings and within the schedule and economic constraints of our contracts. To protect the interests of the Air Force, only United States suppliers will be considered. There are sufficient technical and schedule risks, which can only be minimized by completion of the requirements prior to contract award.

Section C: Qualification Requirements That Must be Satisfied to Become a Qualified Source and Qualification Waiver Requirements.

1. ***Prequalification Notice.*** The offeror shall notify AFLCMC/EBHJ CAD/PAD IPT or, if responding to a solicitation, the contracting officer in AFLCMC/PKZ of intent to qualify as a source for this item.

2. ***Facilities.*** The offeror must certify to the design control activity (AFLCMC/EBHJ CAD/PAD IPT) that they have the required facilities and equipment to manufacture, inspect, test, and package the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

3. *Data Verification.* A qualification test procedure per DI-NDTI-80604 and a qualification test report per DI-NDTI-80604 shall be provided through the AFLCMC/EBHKB contracting office to the AFLCMC/EBHJ CAD/PAD IPT. Qualification testing must be accomplished in accordance with 68B710072.

4. *Process Verification.* The offeror shall identify sources for materials and standards for internally used processes. The offeror shall further define/provide written procedures for the utilization of any special test or inspection facilities and/or equipment. This documentation shall also include a diagnostic procedure showing the process the items being produced would undergo. The production process shall show how the offeror shall test, inspect, diagnose, produce and perform a final functional checkout. Development of special test procedures not available from the government is required. The offeror shall develop those procedures for review and approval by the design control activity identified in paragraph 2 above. The contractor must be capable of locating alternative components to minimize any diminishing manufacturing sources (DMS) problems.

5. *Test and Evaluation or Verification.* The offeror shall submit to the design control activity an explanation of how they will certify that the test methods and production procedures meet the specifications for the item. The government retains the option to inspect the offeror's production and testing facilities. To allow for government inspection, the offeror's facilities shall be made available to government inspection during the qualification effort upon 10 days written notice.

6. *Qualification Article.* Upon satisfactory compliance with the provisions of paragraphs 1 to 5 above, the offeror shall build and test the item in accordance with 68B710072 to demonstrate production capability, form and function and also provide an inert sample to demonstrate proper fit. This production and testing shall be done at the offeror's expense.
Estimated likely costs for government-unique testing and evaluation which will be incurred by the potential offeror to become qualified: $5,000 to $50,000 +.

7. *Sensitive Military Technology.* Not applicable.

8. *Testing and Production Evaluation.* The offeror shall be required to submit a complete test report for the production capability demonstration verifying compliance with all performance, environmental, mechanical, and quality assurance requirements, including top level drawing and all related item and source control drawings. In addition the test report shall contain detailed documentation describing the testing procedures during production. This data shall describe in detail the point(s) in the production process that testing occurred, and if failures were noted, the corrective action taken and the results of the retest. The government retains the option to inspect the production and testing process, including on-site witnessing of any or all production and testing activities. The offeror is responsible and liable for ensuring compliance with all applicable system and item requirements. The offeror will provide notification to the government of testing and evaluation 30 days in advance so the government can witness, if desired, as well as coordinate needed activities, support, etc.

9. *Time Completion Estimate.* The design control activity estimates completion of qualification efforts should require 360 days. This is based on complexity and hazards associated with the item and other factors. This is not a deadline but a notification to a potential offeror of the time believed to be required. Events that occur during the qualification process may increase or perhaps decrease, this time depending on individual circumstances.

10. ***Time Limitation.*** An offeror may not be denied the opportunity to submit and have considered, an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer and cognizant engineering activity that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the contractor with an opportunity to demonstrate its ability to meet the standard specified in this source qualification statement.

11. ***Evaluation of Proposals Not Previously Qualified.*** The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in this Justification for Qualification Requirements before the date specified for award of the contract. The government reserves the right to award a contract at the time specified for award, to a qualified source even though other sources may not have finished qualifying.

12. ***Waiver.*** Any offeror who has had previous experience in the production of the Handles or other similar items may apply to the design control activity identified in paragraph 2 for a waiver of all or part of the above requirements. A waiver will be granted only if the design control activity can establish the qualification of the offeror from previous knowledge/interface or from written inputs from the offeror.

13. ***Approval.*** Once the qualification requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.

Approved Sources:	Cage Code	Vendor P/N
Chemring Energetic Devices	93455	6039100

Section D: Signatures.

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Zachary Kelly
AFLCMC/EBHJ Engineer

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Andrew Hatch
AFLCMC Contracting - Hill SSL