



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

Travaux publics et Services gouvernementaux  
Canada

Place Bonaventure,  
800 rue de la Gauchetière Ouest

Voir aux présentes - See herein

Montréal

Québec

H5A 1L6

FAX pour soumissions: (514) 496-3822

## REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government  
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du**

**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Travaux publics et Services gouvernementaux Canada  
Place Bonaventure,

800 rue de la Gauchetière Ouest

Voir aux présentes - See herein

Montréal

Québec

H5A 1L6

<b>Title - Sujet</b> High Speed High Def Film Scanner	
<b>Solicitation No. - N° de l'invitation</b> 90030-179011/A	<b>Date</b> 2017-10-30
<b>Client Reference No. - N° de référence du client</b> 90030-17-9011	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$MTA-739-14590	
<b>File No. - N° de dossier</b> MTA-7-40032 (739)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-12-11</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Heure Normale du l'Est HNE
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Carpentier, Patricia	<b>Buyer Id - Id de l'acheteur</b> mta739
<b>Telephone No. - N° de téléphone</b> (514) 496-3505 ( )	<b>FAX No. - N° de FAX</b> (514) 496-3822
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> OFFICE NATIONAL DU FILM 3155 Cote de Liesse Road Attn: Claude Brian 514-283-9147 St-Laurent Québec H4N 2N4 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b> .	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## PART 1 - GENERAL INFORMATION

### 1.1 Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

### 1.2 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

### 1.3 Trade Agreements

The requirement is subject to the provisions of the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA)."

## PART 2 - BIDDER INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (27-04-2007) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 90 days

### 2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

## 2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 3 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

## 2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Quebec.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

# PART 3 - BID PREPARATION INSTRUCTIONS

## 3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies) and 2 soft copies on USB key.

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### **Section I: Technical Bid**

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

#### **Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment.

##### **3.1.1 Electronic Payment of Invoices – Bid**

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "C" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "C" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

##### **3.1.2 Exchange Rate Fluctuation**

C3011T (06-11-2013), Exchange Rate Fluctuation

#### **Section III: Certifications**

Bidders must submit the certifications and additional information required under Part 5.

### **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

#### **4.1 Evaluation Procedures**

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### **4.1.1 Technical Evaluation**

##### **4.1.1.1 Mandatory Technical Criteria**

See attachment 1

##### **4.1.1.2 Point Rated Technical Criteria**

See attachment 1

#### **4.1.2 Financial Evaluation**

*SACC Manual* Clause [A0220T](#) (26-06-2014), Evaluation of Price

#### **4.2 Basis of Selection - Lowest Price Per Point**

1. To be declared responsive, a bid must:
  - a. comply with all the requirements of the bid solicitation;
  - b. meet all mandatory technical evaluation criteria; and
  - c. obtain the required minimum of
    - 67 points for the Corporate capability;
    - 67 points for the Equipment requirement;
    - 46 points for the Provision of service;

The rating is performed on a scale of 255 points.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive. Neither the responsive bid that receives the highest number of points nor the one that proposed the lowest price will necessarily be accepted. The responsive bid with the lowest evaluated price per point will be recommended for award of a contract.

### **PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION**

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

## **5.1 Certifications Required with the Bid**

Bidders must submit the following duly completed certifications as part of their bid.

### **5.1.1 Integrity Provisions - Declaration of Convicted Offences**

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

## **5.2 Certifications Precedent to Contract Award and Additional Information**

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

### **5.2.1 Integrity Provisions – Required Documentation**

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

### **5.2.2 Federal Contractors Program for Employment Equity - Bid Certification**

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

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## **PART 6 - RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### **6.1 Security Requirements**

**6.1.1** There is no security requirement applicable to the Contract.

### **6.2 Requirement**

The Contractor must provide a High Speed High Definition Film Scanner System in accordance with the Requirement at Annex "A" and the Contractor's technical bid entitled \_\_\_\_\_, dated \_\_\_\_\_.

#### **6.2.1 Optional Goods and/or Services**

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex A of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract notice to the Contractor.

### **6.3 Standard Clauses and Conditions**

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

#### **6.3.1 General Conditions**

[2010A](#) (04-04-2016), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### **6.4 Term of Contract**

#### **6.4.1 Period of the Contract**

The period of the Contract is from date of Contract for a period of 3 years.

#### **6.4.2 Delivery Date**

All the deliverables must be received on or before March 31, 2018.

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mta739  
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## **6.5 Authorities**

### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Patricia Carpentier  
Title: A/Supply team leader  
Public Works and Government Services Canada  
Acquisitions Branch

Telephone: 514-496-3505  
Facsimile: 514-496-3822  
E-mail address: [patricia.carpentier@tpsgc-pwgsc.gc.ca](mailto:patricia.carpentier@tpsgc-pwgsc.gc.ca)

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

### **6.5.2 Project Authority**

The Project Authority for the Contract is:

*(Will be indicated at contract award)*

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### **6.5.3 Contractor's Representative**

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

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## 6.6 Payment

### 6.6.1 Basis of Payment - Firm Price, Firm Unit Price(s) or Firm Lot Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as specified in Annex B for a cost of \$ \_\_\_\_\_. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

### 6.6.2 Limitation of Price

SACC Manual clause C6000C (17-08-2017) Limitation of Price

### 6.6.3 Multiple payments

SACC Manual clause H1001C (12-05-2008) Multiple payments

### 6.6.4 SACC Manual Clauses

C2000C (30-11-2007), Taxes - Foreign-based Contractor

C2605C (12-05-2008), Canadian Customs Duties and Sales Tax - Foreign-based Contractor

### 6.6.5 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);

## 6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
  - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

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## **6.8 Certifications and Additional Information**

### **6.8.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

### **6.9 Applicable Laws**

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_.

### **6.10 Priority of Documents**

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (04-04-2016), General conditions – goods (medium complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated \_\_\_\_\_.

### **6.11 SACC Manual Clauses**

A9068C (11-01-2010), Government Site Regulations  
G1005C (28-01-2016), Insurance - No Specific Requirement

## **ANNEX "A" - REQUIREMENT**

### **NFB BACKGROUND**

Canada's public film producer and distributor, the National Film Board of Canada (NFB) creates social-issue documentaries, auteur animation, alternative drama and digital content that provide the world with a unique Canadian perspective. The NFB is expanding the vocabulary of 21<sup>st</sup> century cinema and breaking new ground in form and content through community filmmaking projects, cross-platform media, programs for emerging filmmakers, stereoscopic animation – and more. It works in collaboration with creative filmmakers, digital media creators and co-producers in every region of Canada, with Aboriginal and culturally diverse communities, as well as partners around the world.

NFB productions are accessible to Canadians in both official languages, in every region. Our online Screening Room, [NFB.ca](http://NFB.ca), provides free, instant access to NFB productions for Canadians and people from other countries wherever they live. Our works are also featured on television, in theatres, at public libraries as well as at community-based screenings across the country. Millions of Canadian students benefit from our productions each year; the National Film Board has been a trusted supplier to schools for generations.

The NFB is recognized the world over as one of the great cultural laboratories for innovation. Our artists and artisans continue to lead the way with advances in form and content in documentary, animation and cross-platform media, and to pioneer developments in digital and stereoscopic animation.

Since the NFB's founding in 1939, it has created over 13,000 productions and won over 5,000 awards, including 12 Oscars and more than 90 Genies. The NFB's new website features over 1,600 productions online, and its iPhone app has become one of the most popular and talked about downloads. Visit [NFB.ca](http://NFB.ca) today and you can experience what NFB's unique experience is.

### **Our Mission**

Our mission is to make these films accessible to all Canadians and the rest of the world. The National Film Board's (NFB) Strategic Plan places considerable emphasis on accessibility of the institution's works, to the public. One of its main objectives is to make the NFB's impressive collection, from excerpts to feature films, accessible online from anywhere in the world.

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mta739  
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## Objectives

The National Film Board of Canada (NFB) is looking for a solution to digitize and process its film collection in digital format. New technological trends have greatly impacted film industry players worldwide and the NFB is no exception. The adoption of digital technologies by the Board is essential for the short and long term sustainability of the Board from the point of view of the accessibility of Canada audiovisual heritage, its long-term conservation and the NFB production capabilities and distribution activities. To be able to answer the increasing number of requests and meet the NFB high quality standards in collection restoration and preservation, the system must provide the required critical level of performance. The system must also combine high quality scanning, high transfer rates and more economical processes to reduce redundant operations or better improve current operations as well as reliable equipment.

## MANDATORY REQUIREMENTS

The Contractor must supply, deliver, install and service (according to the Service Requirements in Appendix A) equipment meeting the following minimum mandatory and point rated specifications.

**Quantity: 1 High Speed High Definition Film Scanner System**

### **A1. Mandatory Equipment Requirements**

The proposed solution MUST meet the following technical requirements:

#### **A1.1. PICTURE General requirements**

A1.1.1. Must be able to scan film material in:

A1.1.1.1. 35mm

A1.1.1.1.1. 4 perf

A1.1.1.1.2. 3 perf

A1.1.1.1.3. 2 perf

A1.1.1.2. Super 35mm

A1.1.1.3. 35mm full aperture

A1.1.1.4. 16mm

A1.1.1.5. Super 16mm

A1.1.1.6. 8mm

A1.1.1.7. Super 8mm

A1.1.2. Must handle new and old film stock material of all type either:

A1.1.2.1. Camera negative

A1.1.2.2. Inter negative

A1.1.2.3. Inter positive

A1.1.2.4. Print

A1.1.2.5. Reversal

A1.1.3. Must be able to handle color film stock as well as black & white film stocks

A1.1.4. The system must be able to scan and output in different resolutions:

A1.1.4.1. 4K in the active image, i.e. at least 4096 pixels width (square pixels) in all 16mm and 35mm aspect ratio

A1.1.4.2. 2K in the active image, i.e. at least 2048 pixels width (square pixels) in all 16mm and 35mm aspect ratio

A1.1.5. Capture in High dynamic Range:

A1.1.5.1. The system must provide at least double exposure functionality to expose the film twice per color in order to obtain all information from the low densities of the film as well as all the details from the high densities

A1.1.6. The system must be equipped with autofocus that must be adjustable

A1.1.7. The system must output the scanned material in all of these file formats:

A1.1.7.1. The system must offer the possibility to generate and output proxies as the material is being scanned in high resolutions

A1.1.7.1.1. A wide range of streaming deliverable formats and compressed formats (proxies), such as Prores, MP4, DNx

A1.1.7.2. 10 bit LOG DPX according to SMPTE 268M

A1.1.7.3. 16 bit TIFF

A1.1.8. It must provide reliable operating process at any time and for any type of film material

A1.1.9. The system must provide scans that are Artefact free, no geometrical distortions, no blooming, no fading

A1.1.10. The system must provide a ultrafast native sensor CMOS or better

**A1.2. LED Illumination**

A1.2.1. The system must provide perfect color reproduction, as per SMPTE standards, and be able to be calibrated to match precisely a specific film stock by the use of digital adjustments

A1.2.2. The system must be equipped with LED and must generate a cold light for film safety thus causing no thermal stress for film

A1.2.3. Must be kept on a calibrated level by digital closed loop regulation in order to produce repeatable results when rescanning a shot

A1.2.4. Must make use of short exposure times for film safety (less than one second)

A1.2.5. The system must keep a database to track the different illumination parameters used with a given film stock and to be able to recall those parameters to be able to repeat the same result over time

A1.2.6. Must offer long-term stability (six months or greater) and uniform illumination

A1.2.7. The system must offer an option for electronic Dirt and scratch handling capabilities. This option must be priced separately.

A1.2.7.1. Built-in or third party

**A1.3. SOUND General requirements**

A1.3.1. Optical audio COMOPT:

A1.3.1.1. 16mm mono

A1.3.1.2. 35mm mono & stereo

A1.3.2. Magnetic COMMAG:

A1.3.2.1. 16mm

A1.3.3. Output format broadcast WAVE at least at 16bits 48K

A1.3.4. Parallel scanning to provide single pass ingest (Sound and Picture)

**A1.4. MECHANICAL General requirements**

A1.4.1. All film gates must be interchangeable by the operator and the changeover must be performed and operational within 30 minutes or less between gate 35mm, S35, 16mm, S16mm, 8mm and S8mm

A1.4.2. Must allow use of PTR rollers to remove dust

A1.4.3. Must be designed in order to guarantee film safety in all time. It must allow easy film handling (in less than one minute) and loading and designed with digital motor control to ensure film safety to prevent any stress on the film

A1.4.4. Must be designed to guarantee precision mechanical scanning results, i.e, perforation accuracy

A1.4.5. Must providing a maximum stability  $\pm 1\%$

A1.4.6. Must handling Warped / twisted film using contact less scan processing

A1.4.7. Must make use of an electronic registration pins (pinless) base on sprocket

A1.4.8. The film transport must include different modes to accommodate new film material as well as old, damaged and shrunk material

- A1.4.9. Must be able to support reel of 2000 feet
- A1.4.10. Speed of scanning
  - A1.4.10.1. Scan speed in 2K >= 24fr/sec or more in any case at optimum quality
  - A1.4.10.2. Scan speed in 4K >= 10fr/sec or more in any case at optimum quality

**A1.5. Archival Needs**

- A1.5.1. The transport speed must be controllable and adjustable by software
- A1.5.2. Pin less registration
- A1.5.3. The transport mechanism must be able to scan film that have suffered a shrinkage able to load <<pinless>> Sprocketless must allow the film to be loaded without using the pins for delicate and shrunken films at least up to 3%
- A1.5.4. The system must offer an option for wet gate scanning for scratched material. This option must be priced separately.
  - A1.5.4.1. The wet gate option must work with both color and black & white film stock
  - A1.5.4.2. The wet gate option must handle 35mm, 16mm film stock

**A1.6. CONTROL and OTHER General requirements**

- A1.6.1. The system must have the capability of reading key codes
- A1.6.2. Must be able to load and handle EDLs generated from an offline editing system (e.g. AVID/CMX). In order to avoid the scanning of unnecessary shots, the scanner must be controlled by the source timecode list from this EDL and must scan the job according to these timecodes (including winding between unnecessary shots and takes)
- A1.6.3. The system must supply a job management software
- A1.6.4. The system must allow that parameters needed for a given application can be set and defined in the software;
- A1.6.5. The system must permit that all parameters be controllable and adjustable within the application:
  - A1.6.5.1. Must be able to save and recall any project
  - A1.6.5.2. Must have the software to be able to color correct the previous scan
- A1.6.6. The system must be efficient and stable, that guarantees a full production day without any system crash
- A1.6.7. Must support Direct Attached disk
- A1.6.8. The proposed equipment will also be evaluated on the basis of certain Point Rated Equipment Features. A proposal must first meet all of the Mandatory Criteria and achieve a minimum of 70% of the points rated items for the proposal to be considered.
- A1.6.9. With the exception of the Wet Gate where the cost is shown separately from the rest of the system, these features must be available on and form part of the High Speed High Definition Film Scanner System priced in the attachment. The cost of the wet gate option must be valid for a two-year period after the installation.
- A1.6.10. Must support all major SAN systems (Storage Area Network)
  - A1.6.10.1. Must support fiber channel

## A2. POINT RATED TECHNICAL CRITERIA

- A2.1. Gate 35mm
  - A2.1.1. 6 perf
  - A2.1.2. 8 perf (Vista-vision)
- A2.2. 16 bits and 24 bits at 48Khz
- A2.3. Must be designed in order to guarantee film safety in all time. It must allow easy film handling and loading and designed with digital motor control to ensure film safety even in the case of a power down situation to prevent any stress on the film.
- A2.4. Must provide a maximum variation of 1% quoted under
  - A2.4.1. 0.5% to 1%
  - A2.4.2. 0.1% to 4.99%
- A2.5. The system must be able to scan and output in an higher resolution;
  - A2.5.1. 6K in the active image, i.e. at least 6144 pixels width (square pixels) in all 16mm and 35mm aspect ratio
  - A2.5.2. 8K in the active image, i.e. at least 8192 pixels width (square pixels) in all 16mm and 35mm aspect ratio
- A2.6. Capture in High dynamic Range
  - A2.6.1. In HDR mode, the effective dynamic range will increase of how many N.D. (Neutral Density)?
    - A2.6.1.1. 3 N.D.
    - A2.6.1.2. 4 N.D.
    - A2.6.1.3. 5 N.D.
- A2.7. If the system provides a better native sensor than CMOS, please explain
- A2.8. SEPMAG
  - A2.8.1.1. As a possibility to drive an external mag with Bi-Phase output pulse
- A2.9. Analog audio output
- A2.10. Speed of scanning
  - A2.10.1. Scan speed
    - A2.10.1.1. Scan speed at 4K at 12fr/s
    - A2.10.1.2. Scan speed at 4K at 15fr/s
- A2.11. If the transport mechanism is able to scan film that have suffered a more than 3%
  - A2.11.1. 4%
  - A2.11.2. 5%
- A2.12. Electronic dust and scratch

***\*\*Take note that section A3 – Point rated technical criteria will be adjusted following the technical evaluation of the winning bid.***

### A3. Options

- A3.1. Wet gate (with initial buy) (for more details, see section A1.5.4)
  - A3.1.1. 16mm
  - A3.1.2. 35mm
- A3.2. Wet gate (within 2 year of the initial buy)
  - A3.2.1. 16mm
  - A3.2.2. 35mm
- A3.3. Electronic dust/dirt and scratch (with initial buy)
  - A3.3.1. Infrared-IR camera option
  - A3.3.2. Proprietary system / software
- A3.4. Electronic dust/dirt and scratch (within 2 year of the initial buy)
  - A3.4.1. Infrared-IR camera option
  - A3.4.2. Proprietary system / software

***\*\*Take note that section A3 – Options will be adjusted following the selection of the winning bid.***

## MAINTENANCE SERVICES

### B1. GENERAL STIPULATIONS

- B1.1. The installation and support of the **High Speed High Definition Film Scanner System** (the equipment) must be performed by the Original Equipment Manufacturer (OEM) and/or its certified trained Canadian distributor's technical representatives. The technician must be available during the installation and training process, to go through the tests with the NFB personnel.
- B1.2. The Contractor must provide all material and labour necessary for delivery, installation and operation of the Equipment, and make all the necessary connections.
- B1.3. The Contractor must provide all on-site training necessary to allow proper operation of the Equipment by NFB personnel, including instructions in all of the functionalities of the equipment. The contractor must also provide instruction to NFB technical personnel to allow them to troubleshoot the Equipment and perform some routine maintenance. All training must be provided in English.
- B1.4. The Equipment must be supplied with **On-Site NFB-premises** Maintenance and Support for a period of three (3) years from the date of installation. The Maintenance and support shall include the following:
- The Support is (5 days, Monday to Friday, 8 am to 5 pm, Montreal Time) with a four (4) hours response time for a call back to the NFB from receipt of a call and/or to be present on-site NFB premises the next business day from receipt of the call.
  - Unlimited Telephone Support.
  - Software Upgrades.
  - Bug fixes and/or workarounds.
  - All parts and labour.
- B1.5. The Contractor must guarantee the availability of parts, during the period of the maintenance and support. Replacement parts must be available to be shipped within forty-eight (48) hours after diagnosis and identification of required parts.

### B2. MAINTENANCE REQUIREMENTS

- B2.1. The Maintenance Services provided must be as such that the supplied equipment is kept in good working condition at all times. Maintenance services must be provided during the period specified in Article B.2.9 below ("Service Response Time during the Principal Period of Maintenance").
- B2.2. User Manuals: User manuals for the Equipment must be supplied in at least one of Canada's Official Languages (English and/or French) with the delivery of the equipment.
- B2.3. **Preventive Maintenance:** The manufacturer must provide the schedule for preventive maintenance. The responsibility for maintaining the equipment in good working condition rests with the Contractor. Preventive maintenance (required to inspect, lubricate and adjust the equipment) will be performed during the Principal Period of Maintenance (PPM).

The Principal Period of Maintenance (PPM) is defined as the consecutive hour period per day between the hours of 08:00 to 17:00 (Montreal time) Monday through Friday, excluding statutory holidays. This service must be performed in accordance with the OEM specifications or as otherwise agreed between the NFB and the Contractor. The cost of maintenance must be included in the proposal and shown separately. The Contractor must keep a log of all preventive maintenance performed for the Equipment and ensure that it is available to the Technical Authority and/or the NFB as per Article B.2.9 herein.

**B2.4. Software Upgrades:** Software updates must be provided where applicable as part of the maintenance and support as specified in Article (B1.4) to ensure that the Equipment remains current.

**B2.5. Telephone Support:** Telephone Support for the response to Equipment related technical questions must be provided during the period of the maintenance and support, as specified in Article (B1.4).

**B2.6. Replacement Parts:** Replacement parts must be available for the Equipment for the Principal Period of Maintenance (PPM). All parts supplied by the Contractor in the performance of the maintenance services must be new. The provision of parts for the maintenance the Equipment is included.

**B2.7. Assigned Personnel:** The Technicians assigned to perform the maintenance and support must be trained and/or certified by the manufacturer to provide such services. .

**B2.8. Dispatch of Personnel:** The Contractor must have a process to log service calls and dispatch trained personnel. These logs must be available to the NFB and/or the Technical Authority upon request. The Contractor must indicate clearly how the NFB is to contact the Contractor's Service Personnel in the event of service disruption.

**B2.8.1. Maintenance Dispatch Number:** The Contractor must provide a local or a toll-free Maintenance Dispatch telephone number to allow the NFB to request assistance in the event of service related problems or disruption. At a minimum the Maintenance Dispatch telephone number, must be accessible to any user during the hours of 08:00 to 17:00 (Montreal time), Monday through Friday, excluding statutory holidays.

**B2.9. Service Response Time During the Principal Period of Maintenance**

**B2.9.1.** The Principal Period of Maintenance (PPM) is defined as the consecutive hour period per day between the hours of 08:00 to 17:00 (Montreal time) Monday through Friday, excluding statutory holidays.

**B2.9.2.** The Contractor must provide, at a minimum, telephone response within four (4) hours of receipt of a call for remedial maintenance. On-site service response must be provided by the next business day following notification by the NFB, except on written agreement by the NFB, or when it is possible to resolve the problem using telephone support. Service response time measurements do not include Saturdays, Sundays or statutory holidays. Response time is calculated from the time the Contractor has been notified by the NFB to the completion of the remedial service by the Contractor.

**B2.9.3.** Upon commencing any maintenance services, the Contractor must work continuously in performing the maintenance until the equipment being serviced is operational or until the NFB notifies the Contractor to suspend work. The Manufacturer/Contractor must have an Escalation Procedure for Maintenance and Support and copy of same must be provided with their Proposal Response.

B2.9.4. No additional travel charges will be charged for delivery of the Equipment to the user location, or for installation or maintenance of the Equipment at the user location, regardless of the location from which the maintenance services are provided.

**B2.10. Film Scanner System Maintenance History Report:** For each visit to perform maintenance, a maintenance service call report must be prepared by the Contractor and signed-off by the NFB. This report, one (1) copy of which will be given to NFB, and must include the following, at a minimum:

- B2.10.1. Contract number.
- B2.10.2. Client's name, telephone number and location.
- B2.10.3. Date and time of receipt of request for service and the name of the service centre that received it.
- B2.10.4. Dispatch date and time.
- B2.10.5. Site arrival/departure date and time.
- B2.10.6. Total down time.
- B2.10.7. Reason for call.
- B2.10.8. Equipment serial number(s).
- B2.10.9. Action taken/service performed, including list of parts replaced/installed; (j) technician's name and signature; and remarks.
- B2.10.10. Copies of these reports must be made available to the Contracting Authority within thirty (30) days of request.

## ANNEX "B" – BASIS OF PAYMENT

<b>Article 1</b>	
<b>High Speed High Definition Film Scanner System</b>	
	\$
<b>OPTIONS (Voir A3. Options)</b>	
A3.1 Wet gate (with initial buy)	\$
A3.1.1 16 mm	\$
A3.1.2 35 mm	\$
A3.2 Wet gate (within 2 year of the initial buy)	\$
A3.2.1 16 mm	\$
A3.2.2 35 mm	\$
A3.3 Electronic dust/dirt and scratch (with initial buy)	\$
A3.3.1 Infrared-IR camera option	\$
A3.3.2 Proprietary system / software	\$
A3.4 Electronic dust/dirt and scratch (within 2 year of the initial by)	\$
A3.4.1 Infrared-IR camera option	\$
A3.4.2 Proprietary system / software	\$

*\*All rates indicated in the above tab are before taxes.*

Solicitation No. - N° de l'invitation  
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90030-179011

Amd. No. - N° de la modif.  
File No. - N° du dossier  
MTA-7-40032

Buyer ID - Id de l'acheteur  
mta739  
CCC No./N° CCC - FMS No./N° VME

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## **ANNEX "C" to PART 3 OF THE BID SOLICITATION**

### **ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts any of the following Electronic Payment Instrument(s):

- ☐ ( ) VISA Acquisition Card;
- ☐ ( ) MasterCard Acquisition Card;
- ☐ ( ) Direct Deposit (Domestic and International);
- ☐ ( ) Electronic Data Interchange (EDI);
- ☐ ( ) Wire Transfer (International Only);

## **Attachment 1**

### **Mandatory and point rated technical criteria**

#### **C1. BID REQUIREMENTS**

It is requested that the bidder address each of the mandatory criteria in sufficient detail to assure compliance, including all supporting data sheets and specifications documents. In order to indicate compliance, the bidder should explain in detail how its proposal fulfils the requirements as simply noting "complies" does not establish compliance with the requirements. Rephrasing the technical requirements with a statement indicating intent to comply does not prove that the bidder understands the mandate or that it has the capacity to carry it out.

##### **C1.1. Corporate Capability**

###### **C1.1.1. OEM/NON-OEM Certification (Mandatory)**

If the bidder is not the Original Equipment Manufacturer of the equipment being proposed, they should provide a written certification that they are authorized by the manufacturer to sell, install and service the equipment. In addition, the bidder should provide a letter from the manufacturer confirming the certification.

###### **C1.1.2. World-wide Install Base (Point Rated)**

The bidder and/or manufacturer should provide a list of addresses of locations where the equipment proposed or similar equipment is installed. Each reference should include the length of time that the equipment has been installed, as referenced in section C2 of the present attachment.

###### **C1.1.3. References (Point Rated)**

Similar equipment should have been installed by the manufacturer (bidder and/or the supplier) in a similar situation within the past three years. The proposal should include at least two (2), and preferably three (3), references where a similar system has been deployed recently in North America. References should include the company name, address, phone number, email address and the name of a contact person. Also please indicate the type of business conducted as referenced in section C2 of the present attachment.

##### **C1.2. Equipment Requirements**

**C1.2.1. Mandatory Requirements:** It is requested that the bidder address each of the mandatory criteria stipulated in Appendix A - Requirement in sufficient detail to prove compliance. An evaluation grid has been provided at Appendix B to assist the bidder in indicating compliance, stating the attributes of the proposed equipment and indicating the location of the reference material.

It is requested that the proposal contain sufficient data sheets and specifications to prove compliance. In order to assure compliance with the evaluation criteria, the information provided should explain in detail how the equipment fulfils the requirements. Simply noting "complies" does not establish compliance with the requirements. Rephrasing the technical requirements with a statement indicating intent to comply does not prove that the bidder understands the mandate or has the capacity to carry it out.

**C1.3. Service Requirements:** It is requested that each respondent address each of the elements of the Service Requirements, responding specifically to each sub-paragraph down to

the lowest level of paragraph numbering of Appendix A, to confirm their understanding of and compliance with the requirements.

In addition, the bidder should respond to the following point rated items, which will be described in the appropriate sections.

**C1.3.1. Level of Expertise of Certified Technicians and Response Time**

In support of Appendix A, Article B.2.7, bidders should include an indication of the level of expertise available in North America to support the Equipment; for example, the number of certified persons and/or technician and their level of certification, as referenced in C2.

The bidder/respondent should also provide the NFB with the resume(s) and/or statement of credentials of the individual(s) who will be assigned to the installation and on-site support.

**C1.3.2. Training**

In support of Appendix A, Article B1.3, it is requested that the bidder include a description and/or curriculum of the training that will be provided to NFB staff for the operation of the system as well as the training that would be available that would enable the NFB technical staff to accurately troubleshoot the equipment. Also please state whether this training will be provided on-site NFB premises? Or will be provided elsewhere like the at the Manufacturer's location?

**C2. BID EVALUATION**

**C2.1. Corporate Capability (up to 95 points)**

Bidders will be evaluated on their corporate capability to meet this requirement. The evaluation team will evaluate how the bidder meets the requirements detailed in Appendix B, Article C.1.1.

**C2.1.1. OEM/NON-OEM Certification (Mandatory)**

The respondent/bidder must confirm that he is the Original Equipment Manufacturer of the equipment being proposed and, if he is not, he must provide written certification that he is authorized by the manufacturer to sell, install and service the proposed equipment.

**C2.1.2. World-wide Install Base (up to 25 points)**

The evaluation team will score the list of addresses of the sites where the equipment proposed or similar equipment is installed. Points will be allocated as follows: 1- 5 sites = 5 points, 6-10 sites = 10 points, 11+ sites = 15 points. Each reference should include the length of time that the equipment has been installed and an additional 2 point (and up to a total of 10 points) will be allocated where the equipment proposed or similar equipment has been in place for five (5) years or more.

**C2.1.3. References (up to 70 points)**

Similar equipment should have been installed by the manufacturer (bidder/respondent and/or the supplier) within the last three (3) years. The proposal should include three (3) letters of references where similar equipment (*High Speed High Definition Film Scanner Unit*) has been sold and/or installed preferably in North America. Points will be allocated as follows: One (1) installation = (7) points, Two (2) installations = (15) points, Three (3) installations = (25) points. (First = 7 points, second = 8 points and third = 10 points).

Using the template below, please complete same and have your clients sign and return with your proposal. The NFB reserves the right to contact the references for more information.

---

**SOLICITATION NO: RFP: 012320171**

Name of client: \_\_\_\_\_

Address where the unit is installed: \_\_\_\_\_

Date of installation: \_\_\_\_\_

This is to certify that \_\_\_\_\_ (the supplier) has sold to us and installed at the above referenced address a High Speed High Definition Film Scanner.

The unit was sold and installed by \_\_\_\_\_ within the last three (3) years. We are fully satisfied with the unit and it was supplied in accordance with the contractual terms, conditions, schedule and budget.

Signature: \_\_\_\_\_  
Authorized representative of the Company

Print name & title: \_\_\_\_\_

Company name and address: \_\_\_\_\_

Telephone number: \_\_\_\_\_

Email address: \_\_\_\_\_

- Each reference will be evaluated on 15 points each, for a total of 45 points.

**C2.2. Equipment Requirements ( up to 95 points)**

The evaluation team will examine the information provided on the grid at Appendix B, and will verify that the proposed equipment meets each of the mandatory criteria stipulated in Appendix A - Equipment Requirements and that supporting material contains sufficient detail to assure compliance.

In addition, points will be assigned as designated in Appendix B. Points will be assigned solely on the basis of the information supplied by the bidder in their bid.

**C2.3. Provision of Service (up to 65 points)**

The evaluation team will review the detailed description provided by the bidder on how it will deliver the Service requirements described in Appendix A, Maintenance Services. In addition, the details provided in support of the following point rated item will be evaluated.

**C2.3.1. Training (up to 25 points)**

It is requested that the bidder include a description of the training that will be provided to the NFB staff for the operation of the system as well as the training which will be available to enable NFB technical staff to accurately troubleshoot the equipment. The

bidder should also provide the NFB with the resume (s) and/or statement of credentials of the individuals who will be assigned to the installation, training and on-site support.

One (1) Point each will be awarded for the following items to a maximum of (10pts):

- Basic User Operation
- Overview of the system
- Cleaning and maintenance of the system
- System Calibration
- Job set-up
- Job editing, EDL importing
- Storage and Network interfacing
- Overview of quality parameters
- Training on the Electronics
- Training on the Mechanical

Experience of the Trainer maximum of (5 pts) will be awarded as follows:

- 1 to 2 years of experience (2pts)
- more than 2 years of experience (5 pts)

Ten (10) Points will be awarded for the Location as follows:

- Off-Site NFB premises (0 pts)
- On-Site NFB premises (10 pts)

**C2.3.2. Level of Expertise of Certified Technicians and Response Time (up to 20 points)**

- The evaluation team will examine the bidder's statements of the level of expertise available worldwide and in North America in particular to support the Equipment resume(s) of the individual (s) who will be assigned to the installation and on-site support.
- Points will be given for quality of Technician that is assigned based on person's experience (10 pts). 1 to 5 years = (5 pts), more than 5 years = (10 pts), resume and/or statement of experience is required and should be submitted with proposal.
- Number of backup Certified Technician (s) 1= (2 pts) 2 or more= (5 pts).
- Location outside of North America (3 pts) North America (5 pts).

**C2.3.3. Escalation Strategy (up to 20 points):**

Upon commencing any remedial maintenance service, the Contractor should work continuously in performing the maintenance until the equipment being serviced is operational or until the NFB notifies the Contractor to suspend work. The bidder should provide with his response the procedure which will be followed should the on-site technician is unable to diagnose and/or repair the problem.

In support of Appendix A, Actual Remedies, the evaluation team will examine the escalation procedure that would lead to the provision of a Remedial Action Plan that it would put in place in situations where the Equipment is out of service for extended or repetitive periods of time.

Points will be awarded as follows:

- 
- The Contractor will notify the NFB that a more senior technician and/or engineer will arrive on-site NFB premises within (24 to 48) hours from notification that the technician who is currently on-site is unable to diagnose and/or fix the problem (10 pts) will be awarded.
  - No additional travel charges will be charged to the NFB for the travel of the next level personnel who will be coming on-site to relieve and/or work with the current technician.
  - In the event that the failure to correct the problem results in the NFB being without use of the Equipment for a period longer than five (5) days, the NFB at its option, may decide to have similar quantities of work (based on historical averages) performed by a third party provider and paid for by the Contractor. The Contractor will be given notice by the NFB of any such action (10 pts) will be awarded.

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MTA-7-40032

Buyer ID - Id de l'acheteur  
mta739  
CCC No./N° CCC - FMS No./N° VME

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## **Attachment 2**

### **Evaluation Grid**

*(See attached document)*

## ATTACHMENT 2 – EVALUATION GRID – (Reference from Annex A and attachment 1)

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	<b>REQUIREMENTS</b>				
	The Contractor must supply, delivery, install and service (according to the Service Requirements in Appendix A), equipment meeting the following minimum mandatory and point rated specifications.				
	<b>Quantity: 1 High Speed High Definition Film Scanner System.</b>				
<b>A1.</b>	<b>Mandatory Equipment Requirements</b>				
	The proposed solution MUST meet the following technical requirements:				
<b>A1.1.</b>	<b>PICTURE General requirements</b>				
A1.1.1.	Must be able to scan film material in:				
A1.1.1.1.	35mm				
A1.1.1.1.1.	35mm 4 perf				
A1.1.1.1.2.	35mm 3 perf				
A1.1.1.1.3.	35mm 2 perf				
A1.1.1.2.	Super 35mm				
A1.1.1.3.	35mm full aperture				
A1.1.1.4.	16mm				
A1.1.1.5.	Super 16mm				
A1.1.1.6.	8mm				
A1.1.1.7.	Super 8mm				
A1.1.2.	Must handle new and old film stock material of all type either:				
A1.1.2.1.	Camera negative				
A1.1.2.2.	Inter negative				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
A1.1.2.3.	Inter positive				
A1.1.2.4.	Print				
A1.1.2.5.	Reversal				
A1.1.3.	Must be able to handle color film stock as well as black & white film stocks				
A1.1.4.	The system must be able to scan and output in different resolutions:				
A1.1.4.1.	4K in the active image, i.e. at least 4096 pixels width (square pixels) in all 16mm and 35mm aspect ratio				
A1.1.4.2.	2K in the active image, i.e. at least 2048 pixels width (square pixels) in all 16mm and 35mm aspect ratio				
A1.1.5.	Capture in High Dynamic Range				
A1.1.5.1.	The system must provide at least double exposure functionality to expose the film twice per color, in order to obtain all information from the low densities of the film as well as all the details from the high densities				
A1.1.6.	The system must be equipped with autofocus that must be adjustable				
A1.1.7.	The system must output the scanned material in all of these file formats:				
A1.1.7.1.	The system must offer the possibility to generate and output proxies as the material is being scanned in high resolutions				
A1.1.7.1.1.	A wide range of streaming deliverable formats and compressed formats (proxies), such as Prores, MP4, DNX				
A1.1.7.2.	10 bit LOG DPX according to SMPTE 268M				
A1.1.7.3.	16 bit TIFF				
A1.1.8.	It must provide reliable operating process at any time and for any type of film material				
A1.1.9.	The system must provide scans that are; Artefact free, no geometrical distortions, no blooming, no fading				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
A1.1.10.	The system must provide a ultrafast native sensor CMOS or better				
<b>A1.2.</b>	<b>LED Illumination</b>				
A1.2.1.	The system must provide perfect color reproduction, as per SMPTE standards, and be able to be calibrated to match precisely a specific film stock by the use of digital adjustments				
A1.2.2.	The system must be equipped with LED and must generate a cold light for film safety thus causing no thermal stress for film				
A1.2.3.	Must be kept on a calibrated level by digital closed loop regulation in order to produce repeatable results when rescanning a shot				
A1.2.4.	Must make use of short exposure times for film safety (less than one second)				
A1.2.5.	The system must keep a database to track the different illumination parameters used with a given film stock and to be able to recall those parameters to be able to repeat the same result over time				
A1.2.6.	Must offer long-term stability (six months or greater) and uniform illumination				
A1.2.7.	The system must offer an option for electronic Dirt and scratch handling capabilities. This option must be priced seperatly.				
A1.2.7.1.	Built-in or third party				
<b>A1.3.</b>	<b>SOUND General requirements</b>				
A1.3.1.	Optical audio COMOPT:				
A1.3.1.1.	16mm mono				
A1.3.1.2.	35mm mono & stereo				
A1.3.2.	Magnetic COMMAG				
A1.3.2.1.	16mm				
A1.3.3.	Output format broadcast WAVE at least at 16bits 48K				
A1.3.4.	Parallel scanning to provide single pass ingest (Sound and Picture)				
<b>A1.4.</b>	<b>MECHANICAL General requirements</b>				

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Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
A1.4.1.	All film gates must be interchangeable by the operator and the changeover must be performed and operational within 30 minutes or less between gate 35mm, S35, 16mm, S16mm, 8mm and S8mm				
A1.4.2.	Must allow use of PTR rollers to remove dust				
A1.4.3.	Must be designed in order to guarantee film safety in all time. It must allow easy film handling (in less than one minute) and loading and designed with digital motor control to ensure film safety to prevent any stress on the film				
A1.4.4.	Must be designed to guarantee precision mechanical scanning results, i.e., perforation accuracy				
A1.4.5.	Must providing a maximum stability $\pm 1\%$				
A1.4.6.	Must handling Warped / twisted film using contact less scan processing				
A1.4.7.	Must make use of an electronic registration pins (pinless) base on sprocket				
A1.4.8.	The film transport must include different modes to accommodate new film material as well as old, damaged and shrunk material				
A1.4.9.	Must be able to support reel of 2000 feet				
A1.4.10.	Speed of scanning				
A1.4.10.1.	Scan speed in 2K $\geq 24\text{fr/sec}$ or more in any case at optimum quality				
A1.4.10.2.	Scan speed in 4K $\geq 10\text{fr/sec}$ or more in any case at optimum quality				
<b>A1.5.</b>	<b>Archival Needs</b>				
A1.5.1.	The transport speed must be controllable and adjustable by software				
A1.5.2.	Pin less registration				
A1.5.3.	The transport mechanism must be able to scan film that have suffered a shrinkage able to load <<pinless>> Sprocketless must allow the film to be loaded without using the pins for delicate and shrunken films at least up to 3%				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
A1.5.4.	The system must offer an option for wet gate scanning for scratched material. This option must be priced separately.				
A1.5.4.1.	The wet gate option must work with both color and black & white film stock				
A1.5.4.2.	The wet gate option must handle 35mm, 16mm film stock				
<b>A1.6.</b>	<b>CONTROL and OTHER General requirements</b>				
A1.6.1.	The system must have the capability of reading key codes				
A1.6.2.	Must be able to load and handle EDLs generated from an offline editing system (e.g. AVID/CMX). In order to avoid the scanning of unnecessary shots, the scanner must be controlled by the source timecode list form this EDL and must scan the job according to these timecodes (including winding between unnecessary shots and takes)				
A1.6.3.	The system must supply a job management software				
A1.6.4.	The system must allow that parameters needed for a given application can be set and defined in the software				
A1.6.5.	The system must permit that all parameters be controllable and adjustable within the application				
A1.6.5.1.	Must be able to save and recall any project				
A1.6.5.2.	Must have the software to be able to color correct the previous scan				
A1.6.6.	The system must be efficient and stable, that guarantees a full production day without any system crash				
A1.6.7.	Must support Direct Attached disk				
A1.6.8.	Must support all major SAN systems (Storage Area Network)				
A1.6.8.1.	Must support fiber channel				
<b>A2.</b>	<b>RATED CRITERIA</b>				
A2.1.	Gate 35mm				
A2.1.1.	6 perf	5			

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
A2.1.2.	8 perf (Vista-vision)	5			
A2.2.	Audio wave 24 bits at 48Khz +	10			
A2.3.	Must be designed in order to guarantee film safety in all time. It must allow easy film handling and loading and designed with digital motor control to ensure film <b>safety even in the case of a power down situation</b> to prevent any stress on the film	10			
A2.4.	Must provide a maximum variation of 1%, quoted under				
A2.4.1.	0.5% to 1%	5			
A2.4.2.	0.1% to 4.99%	5			
A2.5.	The system must be able to scan and output in an higher resolution:				
A2.5.1.	6K in the active image, i.e. at least 6144 pixels width (square pixels) in all 16mm and 35mm aspect ratio	3			
A2.5.2.	8K in the active image, i.e. at least 8192 pixels width (square pixels) in all 16mm and 35mm aspect ratio	3			
A2.6.	Capture in High dynamic Range				
A2.6.1.	Please specify how many $\pm$ N.D.? (Neutral Density)				
A2.6.1.1.	3 N.D.	3			
A2.6.1.2.	4 N.D.	3			
A2.6.1.3.	5 N.D.	3			
A2.7.	If the system provides a better native sensor than CMOS, please explain				
A2.8.	SEPMAG				
A2.8.1.1.	As a possibility to drive an external mag with Bi-Phase output pulse	5			
A2.9.	Analog audio output	5			
A2.10.	Speed of scanning				
A2.10.1.	Scan speed				
A2.10.1.1.	Scan speed at 4K at 12fr/s	5			

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Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
A2.10.1.2.	Scan speed at 4K at 15fr/s	5			
A2.11.	If the transport mechanism is able to scan film that have suffered a more than 3%				
A2.11.1.	4%	5			
A2.11.2.	5%	5			
A2.12.	Electronic dust and scratch	10			
	TOTAL	/95			
<b>A3.</b>	<b>Options (Non evaluated)</b>				
A3.1.	Wet gate (with initial buy) (for more details, see section A1.5.4)				
A3.1.1.	16mm				
A3.1.2.	35 mm				
A3.2.	Wet gate (within 2 year of the initial buy)				
A3.2.1.	16mm				
A3.2.2.	35 mm				
A3.3.	Electronic dust/dirt and scratch (with initial buy)				
A3.3.1.	Infrared-IR camera option				
A3.3.2.	Proprietary system / software				
A3.3.3.	Other, tell about it				
A3.4.	Electronic dust/dirt and scratch (within 2 year of the initial buy)				
A3.4.1.	Infrared-IR camera option				
A3.4.2.	Proprietary system / software				
A3.4.3.	Other, tell about it				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
C1.	<b>BID REQUIREMENTS</b>				
	It is requested that the bidder address each of the mandatory criteria in sufficient detail to assure compliance, including all supporting data sheets and specifications documents. In order to indicate compliance, the bidder must explain in detail how its proposal fulfils the requirements as simply noting "complies" does not establish compliance with the requirements. Rephrasing the technical requirements with a statement indicating intent to comply does not prove that the bidder understands the mandate or that it has the capacity to carry it out.				
C1.1.	<b>Corporate Capability</b>				
C1.1.1.	<b>OEM/NON-OEM Certification (Mandatory)</b>				
	If the bidder is not the Original Equipment Manufacturer of the equipment being proposed, they must provide a written certification that they are authorized by the manufacturer to sell, install and service the equipment. Form 2 has been provided for this certification. In addition, the bidder must provide a letter from the manufacturer confirming the certification.				
C1.1.2.	<b>Worldwide Install Base (Point Rated)</b>				
	The bidder and/or manufacturer should provide a list of addresses of locations where the equipment proposed or similar equipment is installed. Each reference should include the length of time that the equipment has been installed, as referenced in section C2 of the present attachment.				
C1.1.3.	<b>References (Point Rated)</b>				
	Similar equipment should have been installed by the manufacturer (bidder and/or the supplier) in a similar situation within the past three				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	years. The proposal should include at least two (2), and preferably three (3), references where a similar system has been deployed recently in North America. References should include the company name, address, phone number, email address and the name of a contact person. Also please indicate the type of business conducted as referenced in section C2 of the present attachment.				
<b>C1.2.</b>	<b>Equipment Requirements</b>				
C1.2.1.	<b>Mandatory Requirements:</b> It is requested that the bidder address each of the mandatory criteria stipulated in Appendix A - Requirement in sufficient detail to prove compliance. An evaluation grid has been provided at Appendix B to assist the bidder in indicating compliance, stating the attributes of the proposed equipment and indicating the location of the reference material.				
	It is requested that the proposal contain sufficient data sheets and specifications to prove compliance. In order to assure compliance with the evaluation criteria, the information provided should explain in detail how the equipment fulfils the requirements. Simply noting "complies" does not establish compliance with the requirements. Rephrasing the technical requirements with a statement indicating intent to comply does not prove that the bidder understands the mandate or has the capacity to carry it out.				
C1.2.2.	<b>Point Rated Requirements:</b> The proposed equipment will also be evaluated on the basis of certain Point Rated Equipment Features. A bid must achieve a minimum of 70% of these points rated items for their proposal to be considered. With the exception of the Wet Gate where the cost is broken out from the rest of the system, these features must be available on and form part of the High Speed High Definition Film Scanner System priced in the attached.				
C1.3.	<b>Service Requirements:</b> It is requested that the bidder address each of the elements of the Service Requirements, responding specifically to				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	each sub-paragraph down to the <u>lowest level of paragraph numbering</u> of Appendix A, to confirm their understanding of and compliance with the requirements.				
	In addition, the bidder must respond to the following point rated items.				
C1.3.1.	<b>Level of Expertise of Certified Technicians and Response Time (Point Rated Item)</b>				
	In support of Appendix A, Article B.2.7, bidders must include an indication of the level of expertise available in North America to support the Equipment; for example, the number of certified persons and/or technician and their level of certification.				
	The bidder must also provide the NFB with the resume(s) and/or statement of credentials of the individual(s) who will be assigned to the installation and on-site support.				
C1.3.2.	<b>Training</b>				
	In support of Appendix A, Article B.1.1.3, it is requested that the bidder include a description of the training that will be provided to NFB staff for the operation of the system, as well as the training that would be available allowing NFB technical staff to accurately troubleshoot the equipment.				
C2.	<b>BID EVALUATION</b>				
	Where point rated items are not sufficiently supported in the bid, the bidder may receive fewer or no points for that item. Points will be assigned solely on the basis of the information supplied by the bidder in their bid and clarifications may be sought only in cases where there is conflicting information.				
C2.1.	<b>Corporate Capability (up to 95 points)</b>				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	Bidders will be evaluated on their corporate capability to meet this requirement. The evaluation team will evaluate the how the bidder meets the requirements detailed in Appendix B, Article C.1.1.				
C2.1.1.	<b>OEM/NON-OEM Certification (Mandatory)</b>				
	The respondent/bidder must confirm that he is the Original Equipment Manufacturer of the equipment being proposed and, if he is not, he must provide written certification that he is authorized by the manufacturer to sell, install and service the proposed equipment.				
C2.1.2.	<b>Worldwide Install Base (up to 25 Points)</b>				
	The evaluation team will score the list of addresses of the sites where the equipment proposed or similar equipment is installed. Points will be allocated as follows: 1-5 sites = 5 points 6-10 sites = 10 points 11+ sites = 15 points. Each reference should include the length of time that the equipment has been installed and an additional 2 points (and up to a total of 10 points) will be allocated where the equipment proposed or similar equipment has been in place for five (5) years or more.				
C2.1.2.1.	1-5 locations	5			
C2.1.2.2.	6-10 locations	5			
C2.1.2.3.	11+ locations	5			
C2.1.2.4.	First reference for installation more than 5 years	2			
C2.1.2.5.	Second reference installation more than 5 years	2			
C2.1.2.6.	Third reference installation more than 5 years	2			
C2.1.2.7.	Fourth reference installation more than 5 years	2			
C2.1.2.8.	Fifth reference installation more than 5 years	2			
C2.1.3.	<b>References (up to 95 points)</b>				
	Similar equipment should have been installed by the manufacturer (bidder/respondent and/or the supplier) within the last three (3) years. The proposal should include three (3) letters of references where				

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Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	<p>similar equipment (<i>High Speed High Definition Film Scanner Unit</i>) has been sold and/or installed preferably in North America. Points will be allocated as follows: One (1) installation = (7) points, Two (2) installations = (15) points, Three (3) installations = (25) points. (First = 7 points, second = 8 points and third = 10 points).</p> <p>Using the template below, please complete same and have your clients sign and return with your proposal. The NFB reserves the right to contact the references for more information.</p>				
	<p><b>SOLICITATION NO: RFP: 012320171</b></p> <p>Name of client: _____</p> <p>Address where the unit is installed: _____</p> <p>Date of installation: _____</p> <p>This is to certify that _____ (the supplier) has sold to us and installed at the above referenced address a High Speed High Definition Film Scanner.</p> <p>The unit was sold and installed by _____ within the last three (3) years. We are fully satisfied with the unit and it was supplied in accordance with the contractual terms, conditions, schedule and budget.</p>				

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Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	<p>Signature: _____            Authorized representative of the Company</p> <p>Print name &amp; title: _____</p> <p>Company name and address: _____</p> <p>Telephone number: _____</p> <p>Email address: _____</p> <ul style="list-style-type: none"> <li>Each reference will be evaluated on 15 points each, for a total of 45 points.</li> </ul>				
C2.1.3.1.1	Installation one (1) in North America	7			
C2.1.3.1.2	Installation two (2) in North America	8			
C2.1.3.1.3	Installation three (3) in North America	10			
	The rating of each reference will be out of 15. The evaluation team reserves the right to evaluate all three.				
C2.1.3.2.	Reference #1 xx /15 Reference #2 xx /15 Reference #3 xx /15	45			
	<b>Total for the section</b>	<b>/95</b>			
C2.2.	<b>Equipment Requirements ( up to 95 points)</b>				
	The evaluation team will examine the information provided on the grid at Appendix D will verify that the proposed equipment meets each of the mandatory criteria stipulated in Appendix A - Equipment				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	Requirements and that supporting material contains sufficient detail to assure compliance.				
	In addition, points will be assigned as designated in Appendix D. Points will be assigned solely on the basis of the information supplied by the bidder in their bid.				
<b>C2.3.</b>	<b>Provision of Service (up to 65 points)</b>				
	The evaluation team will review the detailed description provided by the bidder on how it will deliver the Service requirements described in Appendix A, Maintenance Services. In addition, the details provided in support of the following point rated item will be evaluated				
<b>C2.3.1.</b>	<b>Training (up to 25 points)</b>				
	<p>It is requested that the bidder include a description of the training that will be provided to the NFB staff for the operation of the system as well as the training which will be available to enable NFB technical staff to accurately troubleshoot the equipment. The bidder must also provide the NFB with the resume (s) and/or statement of credentials of the individuals who will be assigned to the installation, training and on-site support.</p> <p>One (1) Point each will be awarded for the following items to a maximum of (10pts):</p> <ul style="list-style-type: none"> <li>• Basic User Operation</li> <li>• Overview of the system</li> <li>• Cleaning and maintenance of the system</li> <li>• System Calibration</li> <li>• Job set-up</li> <li>• Job editing, EDL importing</li> <li>• Storage and Network interfacing</li> <li>• Overview of quality parameters</li> <li>• Training on the Electronics</li> <li>• Training on the Mechanical</li> </ul>				

Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	<p>Experience of the Trainer maximum of (5 pts) will be awarded as follows:</p> <ul style="list-style-type: none"> <li>(1 to 2) years of experience (2pts)</li> <li>(3 to 5) years of experience (5 pts)</li> </ul> <p>Ten (10) Points will be awarded for the Location and Duration of Training as follows:</p> <ul style="list-style-type: none"> <li>Off-Site NFB premises less than (2) days (0 pt)</li> <li>On-Site NFB premises (2) days or more (10 pts)</li> </ul>				
	Content and duration	10			
	Experience of the trainer	5			
	Location of Training; Off-Site NFB=5 points; On-Site NFB= 10 points	10			
C2.3.2.	<b>Level of Expertise of Certified Technicians and Response Time (up to 20 points)</b>				
	The evaluation team will examine the bidder's statements of the level of expertise available worldwide and in North America in particular to support the Equipment as well as the resume(s) of the individual(s) who will be assigned to the installation and on-site support. Please provide curriculum of trainer.				
	Points will be given for quality of person assigned based on experience 10 points	10			
	Number of backup Certified Technicians and location 1 = 2 points 2+ =5 points	5			
	Location of the technician, outside North America = 3 points, North America = 5 points.	5			
C2.3.3.	<b>Escalation Strategy (up to 20 points):</b> Upon commencing any remedial maintenance service, the Contractor must work continuously in performing the maintenance until the	20			

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Article	Description	Points	Feature Offered Y/N	Description if Feature	Location of Support or Proof
	<p>equipment being serviced is operational or until the NFB notifies the Contractor to suspend work. The bidder must provide with his response the procedure which will be followed should the on-site technician is unable to diagnose and/or repair the problem.</p> <p>In support of Appendix A, Actual Remedies, the evaluation team will examine the escalation procedure that would lead to the provision of a Remedial Action Plan that it would put in place in situations where the Equipment is out of service for extended or repetitive periods of time.</p> <p>Points will be awarded as follows:</p> <ul style="list-style-type: none"><li>• The Contractor will notify the NFB that a more senior technician and/or engineer will arrive on-site NFB premises within (24 to 48) hours from notification that the technician who is currently on-site is unable to diagnose and/or fix the problem (10 pts) will be awarded.</li><li>• No additional travel charges will be charged to the NFB for the travel of the next level personnel who will be coming on-site to relieve and/or work with the current technician (5 pts) will be awarded.</li><li>• In the event that the failure to correct the problem results in the NFB being without use of the Equipment for a period longer than five (5) days, the NFB at its option, may decide to have similar quantities of work (based on historical averages) performed by a third party provider and paid for by the Contractor. The Contractor will be given notice by the NFB of any such action (10 pts) will be awarded.</li></ul>				
	<b>Total for the section</b>	<b>/65</b>			