

SEP 08 2017 FCC/US BANK

17090890899540

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDINGFEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE
FORM 159Approved by OMB
3060-0589
Page No. 1 of 2

(1) LOCKBOX # 979089		2017 SEP 18 P 12:15		SPECIAL USE ONLY	
				FCC USE ONLY	
SECTION A - PAYER INFORMATION					
(2) PAYER NAME (if paying by credit card enter name exactly as it appears on the card) Q BROADCASTING CORPORATION, INC			(3) TOTAL AMOUNT PAID (U.S. Dollars and cents) \$700.00		
(4) STREET ADDRESS LINE NO. 1 1355 EAST ALTAMONTE DRIVE					
(5) STREET ADDRESS LINE NO. 2					
(6) CITY ALTAMONTE SPRINGS			(7) STATE FL	(8) ZIP CODE 32701	
(9) DAYTIME TELEPHONE NUMBER (include area code) 407-830-0800			(10) COUNTRY CODE (if not in U.S.A.)		
FCC REGISTRATION NUMBER (FRN) REQUIRED					
(11) PAYER (FRN) 0003-7150-91			(12) FCC USE ONLY		
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C) COMPLETE SECTION BELOW FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET					
(13) APPLICANT NAME Q BROADCASTING CORPORATION, INC					
(14) STREET ADDRESS LINE NO. 1 1355 EAST ALTAMONTE DRIVE					
(15) STREET ADDRESS LINE NO. 2					
(16) CITY ALTAMONTE SPRINGS			(17) STATE FL	(18) ZIP CODE 32701	
(19) DAYTIME TELEPHONE NUMBER (include area code) 407-830-0800			(20) COUNTRY CODE (if not in U.S.A.)		
FCC REGISTRATION NUMBER (FRN) REQUIRED					
(21) APPLICANT (FRN) 0003-7150-91			(22) FCC USE ONLY		
COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET					
(23A) CALL SIGN/OTHER ID WTIS (FAC ID 74088)		(24A) PAYMENT TYPE CODE MMR		(25A) QUANTITY 1	
(26A) FEE DUE FOR (PTC) \$700.00		(27A) TOTAL FEE \$700.00		FCC USE ONLY	
(28A) FCC CODE 1		(29A) FCC CODE 2			
(23B) CALL SIGN/OTHER ID		(24B) PAYMENT TYPE CODE		(25B) QUANTITY	
(26B) FEE DUE FOR (PTC)		(27B) TOTAL FEE		FCC USE ONLY	
(28B) FCC CODE 1		(29B) FCC CODE 2			
SECTION D - CERTIFICATION					
CERTIFICATION STATEMENT I, <u>George M. Arroyo</u> , certify under penalty of perjury that the foregoing and supporting information is true and correct to the best of my knowledge, information and belief.					
SIGNATURE <u>George M. Arroyo</u>			DATE <u>9/8/2017</u>		
SECTION E - CREDIT CARD PAYMENT INFORMATION					
MASTERCARD _____ VISA _____ AMEX _____ DISCOVER _____					
ACCOUNT NUMBER _____			EXPIRATION DATE _____		
I hereby authorize the FCC to charge my credit card for the service(s)/authorization herein described.					
SIGNATURE _____			DATE _____		

SEE PUBLIC BURDEN ON REVERSE

FCC FORM 159

FEBRUARY 2003

FOR
FCC
USE
ONLY

FCC 302-AM
APPLICATION FOR AM
BROADCAST STATION LICENSE

(Please read instructions before filling out form.)

FOR COMMISSION USE ONLY

FILE NO. **BL-20170908AAR**

SECTION I - APPLICANT FEE INFORMATION

1. PAYOR NAME (Last, First, Middle Initial)

Q BROADCASTING CORPORATION INC

MAILING ADDRESS (Line 1) (Maximum 35 characters)

1355 EAST ALTAMONTE DRIVE

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY

ALTAMONTE SPRINGS

STATE OR COUNTRY (if foreign address)

FLORIDA

ZIP CODE

32701

TELEPHONE NUMBER (include area code)

407-830-0800

CALL LETTERS

WTIS

OTHER FCC IDENTIFIER (If applicable)

FAC ID 74088

2. A. Is a fee submitted with this application?

☒ Yes ☐ No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section

☐ Governmental Entity ☐ Noncommercial educational licensee ☐ Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter fee amount due in Column (C).

(A) FEE TYPE CODE		
M	M	R

(B) FEE MULTIPLE			
0	0	0	1

(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)
\$ 700.00

FOR FCC USE ONLY

To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)

(B)
0 0 0 1

(C)
\$

FOR FCC USE ONLY

ADD ALL AMOUNTS SHOWN IN COLUMN C,
AND ENTER THE TOTAL HERE.
THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED
REMITTANCE.

TOTAL AMOUNT REMITTED WITH THIS APPLICATION
\$ 700.00

FOR FCC USE ONLY

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT Q Broadcasting Corporation, inc.		
MAILING ADDRESS 1355 East Altamonte Drive		
CITY Altamonte Springs	STATE Florida	ZIP CODE 32701

2. This application is for:

☒ Commercial
 ☐ Noncommercial
☐ AM Directional
 ☒ AM Non-Directional

Call letters WTIS	Community of License Tampa, Florida	Construction Permit File No. BP-20170419AIA	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit June 20, 2020
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3. Is the station now operating pursuant to automatic program test authority in accordance with 47 C.F.R. Section 73.1620?

☐ Yes ☒ No

If No, explain in an Exhibit.

Exhibit No.
EE

4. Have all the terms, conditions, and obligations set forth in the above described construction permit been fully met?

☒ Yes ☐ No

If No, state exceptions in an Exhibit.

Exhibit No.

5. Apart from the changes already reported, has any cause or circumstance arisen since the grant of the underlying construction permit which would result in any statement or representation contained in the construction permit application to be now incorrect?

☐ Yes ☒ No

If Yes, explain in an Exhibit.

Exhibit No.

6. Has the permittee filed its Ownership Report (FCC Form 323) or ownership certification in accordance with 47 C.F.R. Section 73.3615(b)?

☐ Yes ☐ No

☒ Does not apply

If No, explain in an Exhibit.

Exhibit No.

7. Has an adverse finding been made or an adverse final action been taken by any court or administrative body with respect to the applicant or parties to the application in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?

☐ Yes ☒ No

If the answer is Yes, attach as an Exhibit a full disclosure of the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.

Exhibit No.

8. Does the applicant, or any party to the application, have a petition on file to migrate to the expanded band (1605-1705 kHz) or a permit or license either in the existing band or expanded band that is held in combination (pursuant to the 5 year holding period allowed) with the AM facility proposed to be modified herein?

☐ Yes ☒ No

If Yes, provide particulars as an Exhibit.

Exhibit No.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because use of the same, whether by license or otherwise, and requests and authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended).

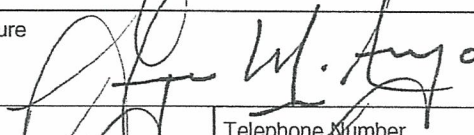
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

CERTIFICATION

1. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

☒ Yes ☐ No

2. I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name GEORGE M. ARROYO	Signature 	
Title PRESIDENT of G.M.	Date 8/20/2017	Telephone Number (407) 830-0800

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

Public reporting burden for this collection of information is estimated to average 639 hours and 53 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0627), Washington, D. C. 20554. Do NOT send completed forms to this address.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Q Broadcasting Corporation, Inc.

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)



Station License



Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
				Night	Day
WTIS	BP-20170419-AIA	1110	Daytime	N/A	10.0 (5.5 CH)

2. Station location

State Florida	City or Town Tampa
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3. Transmitter location

State Florida	County Hillsborough	City or Town Palm River	Street address (or other identification) 5307 St. Paul Street
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4. Main studio location

State Florida	County Hillsborough	City or Town Brandon	Street address (or other identification) 330 South Falkenburg Road
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5. Remote control point location (specify only if authorized directional antenna)

State Florida	County Hillsborough	City or Town Brandon	Street address (or other identification) 330 South Falkenburg Road
------------------	------------------------	-------------------------	--

6. Has type-approved stereo generating equipment been installed?



Yes



No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68?



Yes



No



Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed.

Exhibit No.

8. Operating constants:

RF common point or antenna current (in amperes) without modulation for night system N/A		RF common point or antenna current (in amperes) without modulation for day system 20.85 / 15.46 (CH)	
Measured antenna or common point resistance (in ohms) at operating frequency Night N/A	Day 23.0	Measured antenna or common point reactance (in ohms) at operating frequency Night N/A	Day 0

Antenna indications for directional operation

Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day

Manufacturer and type of antenna monitor:

SECTION III - Page 2

9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator	Overall height in meters of radiator above base insulator, or above base, if grounded.	Overall height in meters above ground (without obstruction lighting)	Overall height in meters above ground (include obstruction lighting)	If antenna is either top loaded or sectionalized, describe fully in an Exhibit.
Guyed Steel Tower	47.2	48.4	48.4 (No Lighting)	Exhibit No. N/A

Excitation ☒ Series ☐ Shunt

Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude 27 ° 55 ' 06 "	West Longitude 82 ° 23 ' 42 "
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If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Exhibit No.
N/A

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

Exhibit No.
N/A

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

None

11. Give reasons for the change in antenna or common point resistance.

N/A New installation

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type) James M. Johnson	Signature (check appropriate box below) 
Address (include ZIP Code) 10144 Seagrape Way Palm Beach Gardens Florida 33418	Date 08/07/2017
	Telephone No. (Include Area Code) 561-625-5900

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

☒ Technical Consultant

☐ Other (specify)

ENGINEERING STATEMENT WTIS

This engineering exhibit supports an application for license for radio station WTIS in Tampa, Florida. Construction has been completed with the installation of new filtering and impedance matching equipment at the tower base to facilitate diplexed operation with radio station WAMA. WTIS has moved to the WAMA transmitter site, as authorized by construction permit number BP-20170419AIA. The licensed WAMA 1550 kilohertz nondirectional antenna system remains unchanged, other than for the resistance and current specifications and the point where power is determined in the new antenna tuning unit.

The WTIS construction permit conditions have been satisfied and WTIS may operate from the WAMA site in compliance with the FCC Rules, as demonstrated by data which has been included herein.

A Direct Measurement of Power application is being filed for WAMA reflecting the changes.

A study of the RFR protection is included. Protection is provided with both stations operating at the site. Power will be reduced, or operation terminated if work needs to be done in the hazard area.

Attached is a schematic of the impedance matching and trap equipment showing the point of power measurement for WAMA and WTIS.

Field strength measurements are included for both daytime and WTIS critical hours operation at the site. FCC requirements are met for both modes.

A statement placing responsibility for maintenance at the site on WAMA is also included.

A type accepted transmitter has been installed.

Program test authority is requested so the silent station can begin operation.



James M. Johnson

RFR Protection – WTIS/WAMA

The operation of WTIS on the tower of WAMA will not result in the exposure of workers or the general public to levels of radio frequency radiation in excess of the limits specified in 47 CFR 1.1310. A fence is in place around the tower base to restrict access to distances beyond those necessary to prevent electric and magnetic field exposure above their required maximum levels.

The two stations that share the tower are WTIS on 1110 kilohertz, and WAMA on 1550 kilohertz. Both stations operate with daytime power of 10 kilowatts.

The field contributions at both frequencies were calculated, separately for each station, with reference to Figures 1 and 2 of Supplement A to FCC OET Bulletin 65. At the WTIS frequency, the tower is 0.175 wavelength in height. Using Figures 1 and 2 and an assumed distance of 4.0 meters from the tower base, the linearly interpolated electric and magnetic near-field levels at 1110 kilohertz for 10 kilowatts power are 515 V/m and 1.27 A/m. The squared electric and magnetic field levels are 265,200 V²/m² and 1.613 A²/m². The maximum specified electric and magnetic field levels are 614 V/m and 1.63 A/m at 1110 kilohertz, making the maximum squared electric and magnetic field levels 377,000 V²/m² and 2.657 A²/m². The fractions of the maximum squared electric and magnetic field levels at a distance of 4 meters for 10 kilowatts power on 1110 kilohertz are 0.704 and 0.607, respectively.

At the WAMA frequency, the tower is 0.244 wavelength in height. Using Figures 1 and 2 and an assumed distance of 4.0 meters from the tower base, the linearly interpolated electric and magnetic near-field levels at 1550 kilohertz for 10 kilowatts power are 51 V/m and 0.69 A/m. The squared electric and magnetic field levels are 2,600 V²/m² and 0.48 A²/m². The maximum specified electric and magnetic field levels are 532 V/m and 1.41 A/m at 1550 kilohertz, making the maximum squared electric and magnetic field levels 283,000 V²/m² and 1.988 A²/m². The fractions of the maximum squared electric and magnetic field levels at a distance of 4 meters for 10 kilowatts power on 1550 kilohertz are 0.009 and 0.241, respectively.

WTIS/WAMA SPURIOUS RADIATION MEASUREMENTS**AUGUST, 2017****WTIS (1110 KHZ), 10.0 KW DAY (ND) MODE****WAMA (1550 KHZ), 10.0 KW DAY (ND) MODE****DAYTIME 10.0 KW MODE**

<u>Frequency (kHz)</u>	<u>Field Intensity (mV/M)</u>	<u>Attenuation (dB) relative to</u>	
		<u>WTIS</u>	<u>WAMA</u>
1110	2790	--	--
1550	2900	--	--
670	.136	86.2	86.6
1990	.139	86.1	86.4
2220	.130	86.6	87.0
2430	.023	101.7	102.0
2870	.011	108.1	108.4
3100	.060	93.3	93.7
3330	.033	98.5	98.9
4440	.011	108.1	108.4
4650	.076	91.3	91.6

Above taken with Potomac Instruments, PI-4100, SN 154. Measurements were made in an open field with no nearby power lines or other radiating objects.

Point coordinates:

(NAD 27): N27° 55' 12.1", W82° 23' 34.5".

Above readings meet required attenuation of 80.0dB (WTIS Day and WAMA Day).

WTIS SPURIOUS RADIATION MEASUREMENTS
AUGUST, 2017
WTIS (1110 KHZ), 5.5 KW CH (ND) MODE
WAMA (1550 KHZ), 10.0 KW DAY (ND) MODE

WTIS CH MODE (5.5 KW)

<u>Frequency (kHz)</u>	<u>Field Intensity (mV/M)</u>	<u>Attenuation (dB) relative to</u>	
		<u>WTIS</u>	<u>WAMA</u>
1110	2070	--	--
1550	2900	--	--
670	.135	83.6	86.6
1990	.148	82.9	85.8
2220	.078	88.5	91.4
2430	.021	99.0	105.6
2870	.016	102.2	105.2
3100	.061	90.6	93.5
3330	.020	100.3	103.2
4440	.011	105.5	108.4
4650	.040	94.3	97.2

Above taken with Potomac Instruments, PI-4100, SN 154. Measurements were made in an open field with no nearby power Lines or other radiating objects.

Point coordinates

(NAD 27): N27° 55' 12.1", W82° 23' 34.5".

Above readings meet required attenuation of 80.0dB (WTIS CH and WAMA Day).



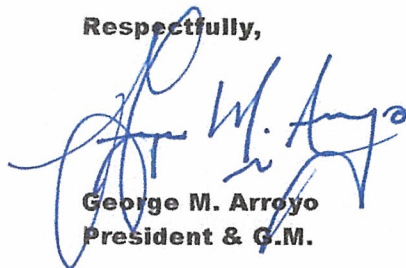
**Altamonte Springs, Florida.
August 20th, 2017.**

**Honorable Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street
Washington, D.C. 20554**

Honorable Madam:

**The undersigned, George M. Arroyo, President & General Manager of Q
Broadcasting Corporation, Inc., hereby certifies that the maintenance of the
WAMA/WTIS transmitter site will be the responsibility of WAMA Radio.**

Respectfully,



**George M. Arroyo
President & G.M.**

**Q Broadcasting Corporation, Inc.
1355 E. Altamonte Dr.
Altamonte Springs, FL 32701
Phone: (407) 830-0800 Fax: (407) 260-6100**



**Altamonte Springs, Florida.
September 7th, 2017.**

**Honorable Marlene H. Dortch
Secretary
Federal Communications Commission
445 N.W. 12th Street
Washington, D.C. 20554**

Honorable Madam:

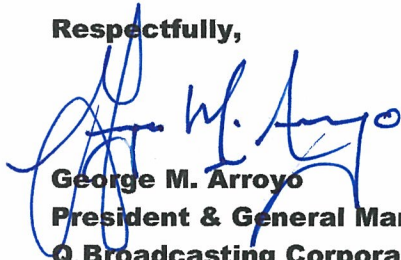
Attached herewith is the application for license for WTIS, 1110 Khz., Tampa, Florida. A Company check in the amount of seven hundred dollars (\$700.00) is included to cover the required MMR fee code.

An additional copy of the application along with a self-addressed stamped envelope is included to be stamped and return in order to confirm delivery of the documents.

EXPEDITED PROCESSING is hereby requested in order to return radio station WTIS back to service which is now under a Silent Authorization.

Your attention to this matter will be greatly appreciated, I remain

Respectfully,


**George M. Arroyo
President & General Manager
Q Broadcasting Corporation
Permitee**

**Q Broadcasting Corporation, Inc.
1355 E. Altamonte Dr.
Altamonte Springs, FL 32701
Phone: (407) 830-0800 Fax: (407) 260-6100**

SEP 08 2017

FCC/US BANK

ORIGIN ID: SEFA (407) 830-0800
GEORGE ARROYO
O. BROADCASTING CORPORATION, IN
1335E ALTA MONTE DRIVE
ALTA MONTE SPRINGS, FL 32707
UNITED STATES US

SHIP DATE: 07SEP17
ACT WT: 1.00 LB
CAD: 39.29187/INET 39.20

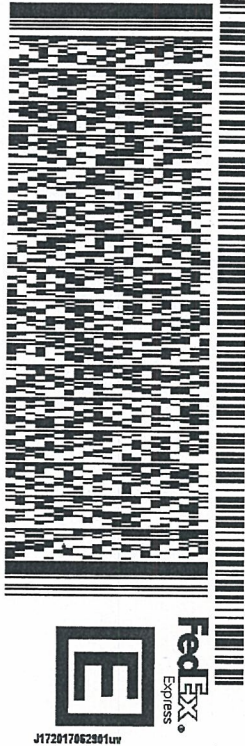
BILL SENDER

TO C/O U. S. BANK

FEDERAL COMMUNICATIONS COMMISSION
LOCKBOX #979089 SL-MO-C2-GL
1005 CONVENTION PLAZA
ST. LOUIS MO 63101

REF: (314) 418-4232
INV: PO: DEPT:

549J1FF19/104C



TRK# 7702 0852 9347

FRI - 08 SEP 3:00P
STANDARD OVERNIGHT

XX CPSA 63101
MO-US STL

