

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File Number:	70537 000002	Service: DTV 27282	Call Sign:	WMEC	Channel: 36 (UHF)
FRN: 00(05941323	Date Submitted:	06/29 /2018		

Applicant Name, Type, and Contact Information

Information

Applicant	Address	Phone	Email	Applicant Type
WEST CENTRAL ILLINOIS EDUCATIONAL TELECOMMUNICATIONS CORP. Doing Business As: WEST CENTRAL ILLINOIS EDUCATIONAL TELECOMMUNICATIONS CORP.	President & General Manager PO Box 6248 SPRINGFIELD, IL 62708 United States	+1 (217) 483- 7887	JGRUEBEL@WMEC. TV	Not-for- Profit

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information	Preparer Contact Name and Information					
	Applicant	Address	Phone	Email		
	The Preparer is same as the reimbursement contact.					

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
	Briefly describe transition plan	Transition will be a flash cut from current channel to repack channel with expected off- air time of up to two days. Ahead of antenna change, licensee will make all necessary transmitter and RF system changes. New transmitter & antenna required.q

Transmitters	Section	Question	Response
	Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Primary	Existing Transmitter Information					
Transmitter	Section	Question	Response			
	Existing Transmitter Description	Type of change	Purchase New			
		Use	Primary (Main)			
		Description of Use	N/A			
		Ownership	Owned			
		Owner	N/A			
		Site	N/A			
		Is this transmitter currently shared with another station?	No			
		Is this transmitter currently in operating condition?	Yes			
	Existing Transmitter	Manufacturer				
	Manufacturer and Type	Model	DCD20-PL- 1			
		Year	2001			
		Туре	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power Capacity	5 kW			

Existing Transmitter Information

Primary	New Transmitter Costs					
Transmitter	Section	Question	Response			
	New Transmitter	Use	Primary (Main)			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	No			
		Manufacturer				
		Model	UAXTE- 16R44			
		Transmitter Type	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power capacity	9.6 kW			
		Justification for New Transmitter	Present transmitter TPO of 5kW is insufficient to achieve an ERP of 103kW as assigned.			

Primary Other Transmitter Costs

Transmitter	Section	Question	Response
	Electrical Service	Service Entrance (3 phases 800A 208V)	No
		Switchgear (industrial 800 amp)	No
		Transformer (480V)	No
		Power	N/A
		Rigid Conduit and Wiring	Yes
		Size	2 inches
		Length	60.0 feet
		Length	60.0 feet

	Other Electrical Service	Yes
	Description	Circuit breaker installation for new transmitter and new wiring as necessary for transmitter power.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Other Transmitter Cost Not Listed

Transmitter Information not provided.

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information					
Antenna	Section	Question	Response			
	Existing Antenna Description	Type of change	Purchase New			
		Antenna Use	Primary (Main)			
		Description of Use	N/A			
		Ownership	Owned			
		Owner	N/A			
		Site	N/A			
		Is the existing antenna shared with another station or stations?	No			
		Is the existing antenna directional?	No			
		Is antenna in operating condition?	Yes			
		Is antenna located on or in close proximity to an antenna farm?	No			
	Existing Antenna	Class	Full Power			
	Manufacturer and Type	Mounting	Side Mount			
		Antenna position in stack	Not in Stack			
		Polarization	Horizontal			
		Туре	Other			
		Number of Stations Supported	N/A			
		Number of Panels	N/A			
		Design power capacity in use	N/A			
		Lower Limit	N/A			
		Upper Limit	N/A			
		Other Antenna Type	Prototype single channel panel antenna			

ERP: (Effective Radiated Power)	75.0 kW
Manufacturer	
Model	TWSM-24 /SM/CF
Year	1997

Primary	New Antenna Costs					
Antenna	Section	Question	Response			
	New Antenna Description	Use	Primary (Main)			
		Description of Use	N/A			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	No			
		Ownership	Owned			
		Owner	N/A			
		Is antenna shared?	No			
		Is antenna directional?	No			
		Will antenna be located on or in close proximity to an antenna farm?	No			
	New Antenna	Class	Full Power			
	Manufacturer and Types	Mounting	Side Mount			
		Antenna position in stack	Not in Stack			
		Polarization	Horizontal			
		Туре	Slotted Coaxial			
		Number of Stations Supported	N/A			
		Number of Panels/Bays	N/A			
		Lower Limit	N/A			
		Upper Limit	N/A			
		Design power capacity in use	N/A			
		Other Antenna Type	N/A			
		ERP: (Effective Radiated Power)	103.0 kW			
		Manufacturer				
			1			

Model	TFU- 24DSB-A
Year	2017
Justification for New Antenna	Existing antenna wil not function on the new assigned frequency.

Primary Antenna	Other Antenna Costs					
	Section	Question	Response			
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No			
		Туре				
		Number of channels supported	N/A			
		Frequencies of channels supported	N/A			
		Frequency	N/A			
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A			
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No			
		Broadband or Single Channel?	N/A			
		Feed Line Size	N/A			
	Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes			
	Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No			
	Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes			

Primary Other Antenna Cost Not Listed

Antenna Information not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary	Existing Transmission Line				
Transmission Existing Transmission Line Description	on Line Section	Question	Response		
		Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is the existing transmission line shared with another station or stations?	No		
		Is Transmission Line in operating condition?	Yes		
	Existing Transmission	Manufacturer			
	Line Manufacturer and Type	Туре	Flexible Air		
		Diameter	3 inches		
		Other Diameter	N/A		
		Segment Length	N/A		
		Other Segment Length	N/A		
		Number of parallel runs	1		
		Length	550 feet per run		

Existing Transmission Line

Primary	New Transmission Line		
Transmissio	n Line Section	Question	Response
	New Transmission Line Costs	Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Туре	Flexible Air
		Diameter	3 inches
		Other Diameter	N/A
		Segment Length	N/A
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	50 feet per run
		Justification for New Transmission Line	Distance from building entry point to new transmitter / mask filter installation.

Primary Other Transmission Line Expenses Not Listed

Transmission to me tion not provided.

Tower	Section	Question	Response
Equipment And Rigging Costs	Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

Primary Existing Tower

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Т	0	W	e	r		

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1018309
Coordinates (Latitude (NAD83)	40° 23' 54.0" N-
NAD83 (North American Datum	Longitude (NAD83)	090° 43' 55.0" W-
of 1983))	Overall Structure Height	499.99 feet
	Support Structure Height	499.99 feet
	Ground Elevation Above Mean Sea Level (AMSL)	600.06 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	WEST CENTRAL
	ILLINOIS
	EDUCATIONAL
	COMMUNICATIONS
	CORPORATION
	DBA = CONVOCOM
Date Constructed	01/01/1996

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
164225	WGNX	FM

Primary Tower Modification Costs

Tower	Section	Question	Response
	Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
	Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

Primary Tower Rigging Costs

Tower

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

PrimaryOther Tower Expenses Not ListedTowerInformation not provided.

Outside	Section	Question	Response
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	120
		Explanation	Forms review; onsite supervision during transmitter, antenna & tower work; coordination of involved entities in the project.
	Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
		Prepare engineering section of Form FCC Construction Permit Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	No
		Quantity	N/A
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A
	Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes

	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Other Professional Services Expenses Not Listed Professional Services roopstsided.

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	No
		Non-zoning permits	No
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	No
		FCC License to Cover Application	No
		FCC Special Temporary Authority Application	No
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
		Does this relocation require Equipment Storage?	Yes
		Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
		Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses Not Listed

Expenses Information not provided.

Transmitters

Cost Information

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatior
Primary Transmitter UAXTE-16R44	\$379,982.25	\$378,022.25		\$0.00	
10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
Other Electrical Service: Circuit breaker installation for new transmitter and new wiring as necessary for transmitter power.	\$1,600.00	\$1,600.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$1,560.00	\$1,500.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 9.6 kW	\$337,922.25	\$337,922.25	see attachments: WMEC Transmitter Replacement WMEC DASP HPOL Pg4 WMEC TV Repack Ch 36 uaxte- 16 qUOTE	N/A	N/A
Sub-total	\$379,982.25	\$378,022.25	N/A	\$0.00	N/A
Total for all systems	\$845,212.25	\$820,472.25	N/A	\$7,658.00	N/A

Components

Antennas

Cost Information

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TFU- 24DSB-A	\$119,280.00	\$113,400.00		\$0.00	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$85,000.00	N/A	N/A	N/A
Sub-total	\$119,280.00	\$113,400.00	N/A	\$0.00	N/A
Total for all systems	\$845,212.25	\$820,472.25	N/A	\$7,658.00	N/A

Components

Transmission Line

Cost Information

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$2,950.00	\$2,800.00		\$0.00	
Flexible Air Transmission Line - dielectric, 3"	\$2,950.00	\$2,800.00	N/A	N/A	N/A
Sub-total	\$2,950.00	\$2,800.00	N/A	\$0.00	N/A
Total for all systems	\$845,212.25	\$820,472.25	N/A	\$7,658.00	N/A

Components

Tower Equipment and Rigging Costs

Cost Information

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$254,800.00	\$242,000.00		\$2,500.00	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$2,500.00	N/A
Sub-total	\$254,800.00	\$242,000.00	N/A	\$2,500.00	N/A
Total for all systems	\$845,212.25	\$820,472.25	N/A	\$7,658.00	N/A

Components

Actual Information Description	File Name
Minor tower reinforcement /modifications	Information not provided.
Short Tower (less than 500')	Information not provided.

Structural engineering tower load study for well documented tower	Component Description:	Structural analysis of WMEC tower #1018309 for repack work. Invoice paid with credit card.
	Amount:	\$2,500.00

Outside Professional Services

Cost Information

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

	Predetermined	Estimated	Estimated Cost	Actual	Actual Cost
Description	Cost Estimate	Cost	Justification	Cost	Justification
Outside Professional Services	\$48,150.00	\$45,750.00		\$5,158.00	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$2,713.50	On 8/17 /2017 received email from TV Broadcaster Relocation Fund Administrator requiring explanation for transmitter cost pertaining to power level specified. Additional costs involved reviewing and submitting response and revising 399 form.

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$202.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,242.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Prepare and or review reimbursement	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Project management of the transition	\$18,960.00	\$18,000.00	N/A	N/A	N/A
Sub-total	\$48,150.00	\$45,750.00	N/A	\$5,158.00	N/A
Total for all systems	\$845,212.25	\$820,472.25	N/A	\$7,658.00	N/A

Components

Actual Information Description	File Name
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.

ttorney Fees -Prepare and ile FCC Form 2100 (main),	_	
icense to Cover Application	Component Description:	Legal counsel with Form 2100, Schedule 399 &
		CP.
	Amount:	\$437.00
	Component Description:	Legal counsel with
	Component Description.	Form 2100, Schedule 399 &
		CP
	Amount:	\$1,018.50
	Component Description:	Legal Counsel -
		WMEC repack
		issues 01/2018
	Amount:	Resubmitted \$112.00
		φ112.00
	Component Description:	3rd Q-2017
		Progress report
		guidance &
		review. Consultation
		regarding repack
		issues.
	Amount:	\$207.00
	Component Description:	Legal counsel with
		Form 2100,
		Schedule 399 & CP
	Amount:	\$939.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Legal Counsel - Repack issues 12 /2017 \$50.50
	Component Description:	WMEC portion of invoice covering Legal issues & planning repack timeline.
	Amount:	\$101.00
	Component Description:	Month's fees for Legal Counsel - repack issues - 01 /2018
	Amount:	\$112.00
	Component Description:	Legal Counsel - WMEC Repack - April 2018
	Amount:	\$50.50
	Component Description:	WMEC Portion of legal invoice is 50% of total invoice.
	Amount:	\$101.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

Component Description:	WMEC Portion of invoice for preparing engineering Main 2100 Construction Permit Application \$1,500.00
Component Description:	WMEC Portion of
Component Description:	invoice for planning meeting to discuss assigned frequency for repack
Amount:	\$742.50
Information not provided.	
	Amount: Component Description: Amount: Information not provided. Information not provided. Information not provided.

Other Expenses

Cost Information

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$40,050.00	\$38,500.00		\$0.00	
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$12,000.00	\$12,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$4,000.00	\$4,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$10,000.00	N/A	N/A	N/A
Equipment Storage	\$2,500.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$40,050.00	\$38,500.00	N/A	\$0.00	N/A
Total for all systems	\$845,212.25	\$820,472.25	N/A	\$7,658.00	N/A

Components

Cost Information	Grand Total					
		Predetermined Cost Estimate				
	Total for all systems	\$845,212.25	\$820,472.25	\$7,658.00		

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	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 PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		 The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The above-named 	
		entity acknowledges that all certifications and attached documentation are considered material representations.	
		3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Richard Plotkin Project Manager 06/29/2018

Attachments