STATE OF TEXAS \$

COUNTY OF FORT BEND \$

### INTERLOCAL AGREEMENT BETWEEN FORT BEND COUNTY AND CITY OF NEEDVILLE

This Interlocal Agreement ("Agreement") entered into by and between Fort Bend County, Texas, a body corporate and politic, acting herein by and through its Commissioners Court ("County"), and City of Needville, a political subdivision of the State of Texas, operating under Chapter 775, Health & Safety Code ("City").

#### WITNESSETH:

THAT WHEREAS, the County has a trunked 800 Megahertz Public Safety Radio System and is duly licensed by the Federal Communications Commission ("FCC") for operation of same; and

WHEREAS, the County desires to accommodate additional Radio Units on its Radio System under a County managed and controlled plan of such system; and

WHEREAS, the County desires to accommodate the City's Radio Units on a maintenance plan contracted by the County with a private vendor; and

WHEREAS, the City desires to use County's Radio System to communicate among its various Radio Units on a Primary Dispatch System; and

WHEREAS, the governing body of County has duly authorized this Agreement; and

WHEREAS, the governing body of City has duly authorized this Agreement; and

WHEREAS, this Agreement is made pursuant to the TEX. GOV. CODE § 791.001 et seq, the Interlocal Cooperation Act (Vernon 1993);

NOW THEREFORE, for and in consideration of the mutual promises, obligations, and benefits hereinafter set forth, the County and City hereby agree as follows:

### SECTION ONE DEFINITIONS

- 1.01 "Primary Dispatch System" A communications system upon which the City, its agents, employees or assigns rely primarily when it desires to or attempts the engagement of radio communications or radio transmissions of energy among its radio units.
- 1.02 "Priority Access" An assigned level of system access which determines the choice of access to the radio system between two or more units seeking use simultaneously.
- 1.03 "Radio System" A trunked 800 Megahertz Public Safety Radio System owned by the County, and licensed by the FCC, that enables the engagement of radio communications or radio transmissions of energy via radio units in accordance with technical specifications.
- 1.04 "Radio Unit" Mobile, stationary or portable radio communication units communicating among themselves at certain air wave frequencies.
- 1.05 "Systems Code Identification Number" An identification number that allows radio units to gain access to the Radio System thereby enabling the radio units to communicate among themselves at certain air wave frequencies.

### SECTION TWO OBLIGATIONS OF COUNTY

2.01 The County agrees that during the term of this Agreement it shall:

Page 1 of 6

- A. Allow the City to have access to its Radio System to engage in radio communications among its Radio Units as a Primary Dispatch System and provide City with the same level of Priority Access provided to County.
- B. Provide to the City a Systems Code Identification Number that will access the County's Radio System, thereby providing a Primary Dispatch System for the City's Radio Units, up to a maximum of 20 units, as shown and identified (by model number and serial number) in Exhibit A to this Agreement.
- C. Observe and abide by all applicable statutes, laws, rules and regulations, including but not limited to those of the FCC.
- D. In the event the City notifies the County pursuant to paragraph that any one or more of its Radio Units listed herein have become lost or stolen, the County will take any reasonable steps necessary to prevent such lost or stolen Radio Units from gaining access to the Radio System and will attempt to disable the lost or stolen unit.

### SECTION THREE OBLIGATIONS OF CITY

- 3.01 The City agrees that during the term of this Agreement it shall:
  - A. Use only County approved equipment on the Radio System. During the term of this Agreement, the approved equipment is that equipment that complies with Project 25 Compliance Assessment Program. The County reserves the right to determine and approve equipment to be used on the radio system. The County reserves the right to change or modify this list at any time with written notification to the subscriber.
  - B. Assume responsibility for the radios identified in Exhibit A to this Agreement. Any change to the number of radios assigned to City shall be in accordance with Section Eight of this Agreement.
  - C. In the event that any one or more of the Radio Units listed in Exhibit A to this Agreement becomes lost or stolen, the City shall notify the County of same within twenty-four hours that the City knows or has reason to know that such Radio Unit or Units have become lost or stolen.
  - D. Use the System Code Identification Number described herein to access the County's Radio System as a Primary Dispatch System.
  - E. To observe and abide by all applicable statutes, laws, rules and regulations, including but not limited to those of the FCC.
  - F. Recognize that applicable FCC and other statutes, laws, rules and regulations may change from time to time and that accordingly the County, in its sole discretion, has the right without liability to modify this Agreement to comply with any such changes subject to the other terms of this Agreement.

### SECTION FOUR ASSIGNABILITY

4.01 This Agreement is for the benefit of the City, its officers, agents, contractors and employees, quasi-governmental agencies (example: Volunteer City) and it shall not be assigned in whole or in part by the City to any third party without prior written consent of the County. If requested in writing, the billing can be itemized to reflect different agencies or departments.

### SECTION FIVE PAYMENT OF FEES

- 5.01 The City shall pay the following costs for use of the County's radios:
  - A. A monthly fee of \$9.50 per radio; and
  - B. Reimbursement for County's actual cost to repair any radio
    - 1. Any radio determined by County to require repair may be sent for service to the current County vendor; and
    - 2. City shall reimburse County for the actual cost repair, which will be included on the next available invoice.
- The County may change the monthly service fee by giving the City written notice of the increase at least ninety (90) days in advance of the date on which the increased fees are to become effective. Written documentation will be provided upon request to the City explaining the increase.

- 5.03 The City shall make any payments due and payable to the County under this Agreement out of its current revenues.
- 5.04 The County shall invoice the City in the following manner:
  - A. The County will invoice air time for the three months prior and including the month of the bill.
  - B. Radios added during the 1<sup>st</sup> and 15<sup>th</sup> day of a given month will be charged air time for the entire month. Radios added after the 15<sup>th</sup> day of a given month will not be charged air time for that month and air time will be charged beginning with the following month
  - C. The County will invoice service contract fees for the three months succeeding the month of the bill.
  - D. In the event the City increases the total number of radios assigned, it shall increase its monthly payment to reflect such increase. The increase in the number of units shall be reflected pro rata in the next monthly payment following the month of the increase in units.
  - E. Any decrease in the number of units shall be reflected in the City's payments in the same manner as described above for increases in the number of units.
- 5.05 If County determines that the Radio System is substantially unavailable to the City during any billing period, the County shall make a reasonable adjustment of the fee provided for by this section.

### SECTION SIX TERM AND TERMINATION

- The term of this Agreement shall commence upon signature of County and end on **September 30, 2014**. This Agreement shall thereafter automatically renew for additional one year terms unless terminated by either party. All renewals are subject to the price adjustment in Section 5.02 of this Agreement.
- This Agreement shall terminate immediately if all or substantially all of the licenses or other necessary authorizations held by either the County or the City are revoked by the FCC or any successor agency.
- 6.03 The Agreement may be terminated by either Party by providing 30 days notice of the intent to terminate to the other Party. In the event of termination, City shall still remit payment for services rendered by County.
- 6.04 Upon termination, all radios shall be returned to County no later than 48 hours of the time and date the notice to terminate was received.

### SECTION SEVEN NOTICE

7.01 Any and all notices or communications required or permitted under this Agreement shall in writing and delivered in person or mailed, certified mail, return receipt requested, or may be transmitted by fax as follows:

To County: Fort Bend County

Attention: County Judge 301 Jackson, 7<sup>th</sup> Floor Richmond, Texas 77469 Fax No. (281) 341-8609

To City: City of Needville

Attention: Mayor P.O. Box 527

Needville, Texas 77461

- 7.02 Either party may change its notice address in accordance with this section.
- 7.03 Any notice hereunder shall be effective upon receipt.

#### SECTION EIGHT MODIFICATION OF AGREEMENT

8.01 No modification of this Agreement shall be effective unless it is made in writing and is approved and executed by the authorized representatives of the parties hereto, except as provided above in the case of a change in FCC rules or regulations.

### SECTION NINE COVERAGE

9.01 The City acknowledges that one hundred percent coverage of any area at all times is improbable. There may be adverse propagation conditions, such as short-term unpredictable meteorological effects and sky wave interference from distant stations that can interrupt the Radio System at times. Other causes beyond reasonable control of the County are motor ignition and other electrical noise that could be minimized by corrective devices at the City's expense. Any surveys, studies, research or any other measures taken to ensure the adequacy of coverage provided to the City herein shall be the sole responsibility of the City.

#### SECTION TEN DEFAULT

- 10.01 If the City fails to make any payment of any sum due or fails to perform as required by any other provision hereunder, and continues in such failure for fifteen days after written notice has been sent by County to City, the City shall be deemed in default under this Agreement.
- In the event of default, the County has the right to immediately terminate this Agreement, retain all payments made hereunder that are due and owing to the County pursuant to the terms of this Agreement, and deny the City any service provided by the County under this Agreement. Each and all of the rights and remedies of the County hereunder are cumulative to and not in lieu of each and every other such right and remedy and every right and remedy afforded at law and equity.

### SECTION ELEVEN INDEMNITY AND HOLD HARMLESS

- INDEMNIFICATION: THE CITY AGREES TO AND SHALL INDEMNIFY, SAVE AND 11.01 HOLD HARMLESS AND DEFEND THE COUNTY, ITS OFFICIALS, AGENTS AND EMPLOYEES FROM AND AGAINST ANY AND ALL CLAIMS, LOSSES, DAMAGES, CAUSES OF ACTION, SUITS AND LIABILITY OF EVERY KIND, INCLUDING BUT NOT LIMITED TO ATTORNEY'S FEES (WHETHER 1ST PARTY OR 3RD PARTY) AND RELATED COSTS, FOR PERSONAL INJURY DEATH OR PROPERTY DAMAGE DESTRUCTION OR LOSS ARISING OUT OF OR CONNECTED IN ANY WAY WITH CITY'S RESPONSIBILITIES UNDER PERFORMANCE THE INJURY, DEATH OR PROPER PERSONAL SUCH AGREEMENT. WHERE CAUSED BY THE DESTRUCTION OR LOSS IS NEGLIGENCE OR ITS SOLE INTENTIONAL ACT OR OMISSION OR WHERE SUCH PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE, DESTRUCTION, OR LOSS IS CAUSED BY THE JOINT NEGLIGENCE OF THE CITY AND ANY OTHER PERSON (OTHER THAN THE COUNTY OR ITS AGENTS OR EMPLOYEES), OR ENTITY; OR THE JOINT INTENTIONAL ACT OR OMISSION OF THE CITY AND OTHER PERSON OR ENTITY (OTHER THAN THE COUNTY OR ITS AGENTS OR EMPLOYEES).
- 11.02 The City shall provide the County with general liability insurance covering both the County and the City for liabilities relating to the use of the Radio System. The insurance shall be with carriers and in policy limits acceptable to the County
- The City shall provide the County's Risk Management Department with a copy of the proposed insurance within ten (10) days of the effective date hereof. Acceptance of an original certificate of insurance acceptable to the County shall be a condition precedent to the City's access to the Radio System.

### SECTION TWELVE ADMINISTRATIVE GUIDELINES

12.01 The parties agree to promulgate mutually acceptable written administrative guidelines relating to the use and operation of the Radio System and Radio Units. Both parties agree to use their best efforts to observe and abide by these written administrative guidelines.

### SECTION THIRTEEN GENERAL

- 13.01 This Agreement constitutes the entire Agreement of the parties and supercedes all prior offers, negotiations and agreements. If any provision of this Agreement shall, at any time and to any extent be held invalid or unenforceable, the remainder of this Agreement shall not be affected thereby. This Agreement shall bind and inure to the benefit of all the respective heirs, personal representatives, successors and assigns of the parties hereto.
- The waiver by a party hereto of a breach of any provision of this Agreement shall not operate as or be construed as a waiver of any subsequent breach.

IN WITNESS WHEREOF, The parties put their hands to this instrument on the dates indicated.

	By:	FORT BEND COUNTY, TEXAS
ATTEST: - Stelson	Date:	Robert E. Hebert, County Judge  /2-17-2013
Dianne Wilson, County Clerk	Bv∙	CITY OF NEEDVILLE

Exhibit A: City's Radio Units, up to a maximum of 20 units, as shown and identified by model number and serial number

Date:

MTR/nm 1/2014 agreements/sheriff/radio/ Needville (10/08/13)



### **EXHIBIT A**

## CITY'S RADIO UNITS UP TO A MAXIMUM OF 20 UNITS

# AS SHOWN AND IDENTIFIED BY

MODEL NUMBER AND SERIAL NUMBER

STATE OF TEXAS §
COUNTY OF FORT BEND §

### INTERLOCAL AGREEMENT BETWEEN FORT BEND COUNTY AND CITY OF RICHMOND

This Interlocal Agreement ("Agreement") entered into by and between Fort Bend County, Texas, a body corporate and politic, acting herein by and through its Commissioners Court ("County"), and City of Richmond, a political subdivision of the State of Texas, operating under Chapter 775, Health & Safety Code ("City").

#### WITNESSETH:

THAT WHEREAS, the County has a trunked 800 Megahertz Public Safety Radio System and is duly licensed by the Federal Communications Commission ("FCC") for operation of same; and

WHEREAS, the County desires to accommodate additional Radio Units on its Radio System under a County managed and controlled plan of such system; and

WHEREAS, the County desires to accommodate the City's Radio Units on a maintenance plan contracted by the County with a private vendor; and

WHEREAS, the City desires to use County's Radio System to communicate among its various Radio Units on a Primary Dispatch System; and

WHEREAS, the governing body of County has duly authorized this Agreement; and

WHEREAS, the governing body of City has duly authorized this Agreement; and

WHEREAS, this Agreement is made pursuant to the TEX. GOV. CODE § 791.001 et seq, the Interlocal Cooperation Act (Vernon 1993);

NOW THEREFORE, for and in consideration of the mutual promises, obligations, and benefits hereinafter set forth, the County and City hereby agree as follows:

### SECTION ONE DEFINITIONS

- 1.01 "Primary Dispatch System" A communications system upon which the City, its agents, employees or assigns rely primarily when it desires to or attempts the engagement of radio communications or radio transmissions of energy among its radio units.
- 1.02 "Priority Access" An assigned level of system access which determines the choice of access to the radio system between two or more units seeking use simultaneously.
- 1.03 "Radio System" A trunked 800 Megahertz Public Safety Radio System owned by the County, and licensed by the FCC, that enables the engagement of radio communications or radio transmissions of energy via radio units in accordance with technical specifications.
- 1.04 "Radio Unit" Mobile, stationary or portable radio communication units communicating among themselves at certain air wave frequencies.
- 1.05 "Systems Code Identification Number" An identification number that allows radio units to gain access to the Radio System thereby enabling the radio units to communicate among themselves at certain air wave frequencies.

### SECTION TWO OBLIGATIONS OF COUNTY

2.01 The County agrees that during the term of this Agreement it shall:

- A. Allow the City to have access to its Radio System to engage in radio communications among its Radio Units as a Primary Dispatch System and provide City with the same level of Priority Access provided to County.
- B. Provide to the City a Systems Code Identification Number that will access the County's Radio System, thereby providing a Primary Dispatch System for the City's Radio Units, as shown and identified (by model number and serial number) in Exhibit A to this Agreement.
- C. Observe and abide by all applicable statutes, laws, rules and regulations, including but not limited to those of the FCC.
- D. In the event the City notifies the County pursuant to paragraph that any one or more of its Radio Units listed herein have become lost or stolen, the County will take any reasonable steps necessary to prevent such lost or stolen Radio Units from gaining access to the Radio System and will attempt to disable the lost or stolen unit.

### SECTION THREE OBLIGATIONS OF CITY

- 3.01 The City agrees that during the term of this Agreement it shall:
  - A. Use only County approved equipment on the Radio System. During the term of this Agreement, the approved equipment is that equipment that complies with Project 25 Compliance Assessment Program. The County reserves the right to determine and approve equipment to be used on the radio system. The County reserves the right to change or modify this list at any time with written notification to the subscriber.
  - B. Assume responsibility for the radios identified in Exhibit A to this Agreement. Any change to the number of radios assigned to City shall be in accordance with Section Eight of this Agreement.
  - C. In the event that any one or more of the Radio Units listed in Exhibit A to this Agreement becomes lost or stolen, the City shall notify the County of same within twenty-four hours that the City knows or has reason to know that such Radio Unit or Units have become lost or stolen.
  - D. Use the System Code Identification Number described herein to access the County's Radio System as a Primary Dispatch System.
  - E. To observe and abide by all applicable statutes, laws, rules and regulations, including but not limited to those of the FCC.
  - F. Recognize that applicable FCC and other statutes, laws, rules and regulations may change from time to time and that accordingly the County, in its sole discretion, has the right without liability to modify this Agreement to comply with any such changes subject to the other terms of this Agreement.

#### SECTION FOUR ASSIGNABILITY

4.01 This Agreement is for the benefit of the City, its officers, agents, contractors and employees, quasi-governmental agencies (example: Volunteer City) and it shall not be assigned in whole or in part by the City to any third party without prior written consent of the County. If requested in writing, the billing can be itemized to reflect different agencies or departments.

### SECTION FIVE PAYMENT OF FEES

- 5.01 The City shall pay the following costs for use of the County's radios:
  - A. A monthly fee of \$9.50 per radio; and
  - B. Reimbursement for County's actual cost to repair any radio
    - 1. Any radio determined by County to require repair may be sent for service to the current County vendor; and
    - City shall reimburse County for the actual cost repair, which will be included on the next available invoice.

- 5.02 The County may change the monthly service fee by giving the City written notice of the increase at least ninety (90) days in advance of the date on which the increased fees are to become effective. Written documentation will be provided upon request to the City explaining the increase.
- 5.03 The City shall make any payments due and payable to the County under this Agreement out of its current revenues.
- 5.04 The County shall invoice the City in the following manner:
  - A. The County will invoice air time for the three months prior and including the month of the bill.
  - B. Radios added during the 1<sup>st</sup> and 15<sup>th</sup> day of a given month will be charged air time for the entire month. Radios added after the 15<sup>th</sup> day of a given month will not be charged air time for that month and air time will be charged beginning with the following month
  - C. The County will invoice service contract fees for the three months succeeding the month of the bill.
  - D. In the event the City increases the total number of radios assigned, it shall increase its monthly payment to reflect such increase. The increase in the number of units shall be reflected pro rata in the next monthly payment following the month of the increase in units.
  - E. Any decrease in the number of units shall be reflected in the City's payments in the same manner as described above for increases in the number of units.
- 5.05 If County determines that the Radio System is substantially unavailable to the City during any billing period, the County shall make a reasonable adjustment of the fee provided for by this section.

### SECTION SIX TERM AND TERMINATION

- 6.01 The term of this Agreement shall commence upon signature of County and end on **September 30, 2014**. This Agreement shall thereafter automatically renew for additional one year terms unless terminated by either party. All renewals are subject to the price adjustment in Section 5.02 of this Agreement.
- 6.02 This Agreement shall terminate immediately if all or substantially all of the licenses or other necessary authorizations held by either the County or the City are revoked by the FCC or any successor agency.
- 6.03 The Agreement may be terminated by either Party by providing 30 days notice of the intent to terminate to the other Party. In the event of termination, City shall still remit payment for services rendered by County.
- 6.04 Upon termination, all radios shall be returned to County no later than 48 hours of the time and date the notice to terminate was received.

### SECTION SEVEN NOTICE

7.01 Any and all notices or communications required or permitted under this Agreement shall in writing and delivered in person or mailed, certified mail, return receipt requested, or may be transmitted by fax as follows:

To County: Fort Bend County

Attention: County Judge 301 Jackson, 7<sup>th</sup> Floor Richmond, Texas 77469 Fax No. (281) 341-8609

To City: City of Richmond

Attention: Mayor 402 Morton Street

Richmond, Texas 77469

- 7.02 Either party may change its notice address in accordance with this section.
- 7.03 Any notice hereunder shall be effective upon receipt.

### SECTION EIGHT MODIFICATION OF AGREEMENT

8.01 No modification of this Agreement shall be effective unless it is made in writing and is approved and executed by the authorized representatives of the parties hereto, except as provided above in the case of a change in FCC rules or regulations.

### SECTION NINE COVERAGE

9.01 The City acknowledges that one hundred percent coverage of any area at all times is improbable. There may be adverse propagation conditions, such as short-term unpredictable meteorological effects and sky wave interference from distant stations that can interrupt the Radio System at times. Other causes beyond reasonable control of the County are motor ignition and other electrical noise that could be minimized by corrective devices at the City's expense. Any surveys, studies, research or any other measures taken to ensure the adequacy of coverage provided to the City herein shall be the sole responsibility of the City.

### SECTION TEN DEFAULT

- 10.01 If the City fails to make any payment of any sum due or fails to perform as required by any other provision hereunder, and continues in such failure for fifteen days after written notice has been sent by County to City, the City shall be deemed in default under this Agreement.
- 10.02 In the event of default, the County has the right to immediately terminate this Agreement, retain all payments made hereunder that are due and owing to the County pursuant to the terms of this Agreement, and deny the City any service provided by the County under this Agreement. Each and all of the rights and remedies of the County hereunder are cumulative to and not in lieu of each and every other such right and remedy and every right and remedy afforded at law and equity.

### SECTION ELEVEN INDEMNITY AND HOLD HARMLESS

- INDEMNIFICATION: THE CITY AGREES TO AND SHALL INDEMNIFY, SAVE AND 11.01 HOLD HARMLESS AND DEFEND THE COUNTY, ITS OFFICIALS, AGENTS AND EMPLOYEES FROM AND AGAINST ANY AND ALL CLAIMS, LOSSES, DAMAGES CAUSES OF ACTION, SUITS AND LIABILITY OF EVERY KIND, INCLUDING BUT NOT LIMITED TO ATTORNEY'S FEES (WHETHER 1ST PARTY OR 3RD PARTY) AND RELATED COSTS, FOR PERSONAL INJURY DEATH OR PROPERTY DAMAGE DESTRUCTION OR LOSS ARISING OUT OF OR CONNECTED IN ANY WAY WITH CITY'S RESPONSIBILITIES UNDER PERFORMANCE OF THE WHERE SUCH PERSONAL INJURY. DEATH OR PROPERTY AGREEMENT. DESTRUCTION OR LOSS IS CAUSED BY THE CITY'S NEGLIGENCE OR ITS SOLE INTENTIONAL ACT OR OMISSION OR WHERE SUCH PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE, DESTRUCTION, OR LOSS IS CAUSED BY THE JOINT NEGLIGENCE OF THE CITY AND ANY OTHER PERSON (OTHER THAN THE COUNTY OR ITS AGENTS OR EMPLOYEES), OR ENTITY; OR THE JOINT INTENTIONAL ACT OR OMISSION OF THE CITY AND OTHER PERSON OR ENTITY (OTHER THAN THE COUNTY OR ITS AGENTS OR EMPLOYEES).
- 11.02 The City shall provide the County with general liability insurance covering both the County and the City for liabilities relating to the use of the Radio System. The insurance shall be with carriers and in policy limits acceptable to the County
- 11.03 The City shall provide the County's Risk Management Department with a copy of the proposed insurance within ten (10) days of the effective date hereof. Acceptance of an original certificate of insurance acceptable to the County shall be a condition precedent to the City's access to the Radio System.

### SECTION TWELVE ADMINISTRATIVE GUIDELINES

12.01 The parties agree to promulgate mutually acceptable written administrative guidelines relating to the use and operation of the Radio System and Radio Units. Both parties agree to use their best efforts to observe and abide by these written administrative guidelines.

### SECTION THIRTEEN GENERAL

- 13.01 This Agreement constitutes the entire Agreement of the parties and supercedes all prior offers, negotiations and agreements. If any provision of this Agreement shall, at any time and to any extent be held invalid or unenforceable, the remainder of this Agreement shall not be affected thereby. This Agreement shall bind and inure to the benefit of all the respective heirs, personal representatives, successors and assigns of the parties hereto.
- 13.02 The waiver by a party hereto of a breach of any provision of this Agreement shall not operate as or be construed as a waiver of any subsequent breach.

IN WITNESS WHEREOF, The parties put the	eir hands	to this instrument on the dates indicated.
		FORT BEND COUNTY, TEXAS
	By:	Robert E. Hebert, County Judge
Ganne Wilson	Date:	12-17-2013
Dianne Wilson, County Clerk		
		CITY OF RICHMOND
	By:	Evely W. Moore
ATTEST:	Date:	
Exhibit A: City's Radio Units, up to a maxin	num of 2	Secretary (200) Units, as shown and identified by model number and serial
number	,	

MTR/nm I/2014 agreements/sheriff/radio/ Richmond (10/08/13) pjs/nm 10/29/13



### **EXHIBIT A**

# CITY'S RADIO UNITS UP TO A MAXIMUM OF 200 UNITS

# AS SHOWN AND IDENTIFIED BY MODEL NUMBER AND SERIAL NUMBER