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| STS-12 OC-12 STM-4 622.08 601.344 594.432 |
| STS-18 OC-18 STM-6 933.12 902.016 891.648 |
| STS-24 OC-24 STM-8 1244.16 1202.688 1188.864 |
| STS-36 OC-36 STM-12 1866.24 1804.032 1783.296 |
| STS-48 OC-48 STM-16 2488.32 2405.376 2377.728 |
| STS-192 OC-192 STM-64 9953.28 |























































| \Box | |
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| ÷۵. | AMPS Call Management |
| Regis | stration: (register once every 15 minutes) |
| • W s r | /hen a cellular phone is switched on, it scans 21 control channels, picks the strongest one, broadcasts the 32 bit serial number and 34 bit telephone number (10 bits for 3 digit area code, 24 bits for 7 digit subscriber number), in digital form, multiple times with ECC code. |
| • Ba | ase station hears the registration msg, keeps record, and inform the customer's home MTSO(Mobile Telephone Switching Office). |
| Making cellular call: | |
| • E r (| nter number in keypad and press SEND button. The destination phone number and its ID are sent over the shared access channel. If collision occurs, retry it later. |
| • B | ase station relays info to MTSO, which allocate idle channel, and make phone call to destination. |
| Incor | ning call to a cellular phone: |
| • a | packet first sends to the callee's home MTSO to find out its current location. |
| • a | packet then sends to the current base station, which broadcasts on the paging channel for the called phone. |
| • W | /hen the called phone responded, a voice channel is assigned and rings. |
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