

Table 1

|  | 1  | LDR   | Load/Store         | Complete |            |  |  |  |
|--|----|-------|--------------------|----------|------------|--|--|--|
|  | 2  | STR   | Load/Store         | Complete |            |  |  |  |
|  | 3  | LDA   | Load/Store         | Complete |            |  |  |  |
|  | 4  | AMR   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 5  | SMR   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 6  | AIR   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 7  | SIR   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 8  | JZ    | Transfer           | Complete |            |  |  |  |
|  | 9  | JNE   | Transfer           | Complete |            |  |  |  |
|  | 10 | JCC   | Transfer           | Complete |            |  |  |  |
|  | 11 | JMP   | Transfer           | Complete |            |  |  |  |
|  | 12 | JSR   | Transfer           | Complete |            |  |  |  |
|  | 13 | RFS   | Transfer           | Complete |            |  |  |  |
|  | 14 | SOB   | Transfer           | Complete |            |  |  |  |
|  | 15 | JGE   | Transfer           | Complete |            |  |  |  |
|  | 16 | MLT   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 17 | DVD   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 18 | TRR   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 19 | AND   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 20 | ORR   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 21 | NOT   | Arithmetic/Logical | Complete |            |  |  |  |
|  | 22 | AIX   | Arithmetic/Logical | Complete | Customized |  |  |  |
|  | 23 | SIX   | Arithmetic/Logical | Complete | Customized |  |  |  |
|  | 24 |       |                    |          |            |  |  |  |
|  | 25 | SRC   | Shift/Rotate       |          |            |  |  |  |
|  | 26 | RRC   | Shift/Rotate       |          |            |  |  |  |
|  | 27 | FADD  | Floating           |          |            |  |  |  |
|  | 28 | FSUB  | Floating           |          |            |  |  |  |
|  | 29 | VADD  | Floating           |          |            |  |  |  |
|  | 30 | VSUB  | Floating           |          |            |  |  |  |
|  | 31 | CNVRT | Floating           |          |            |  |  |  |
|  | 32 |       |                    |          |            |  |  |  |
|  | 33 | LDX   | Load/Store         | Complete |            |  |  |  |
|  | 34 | STX   | Load/Store         | Complete |            |  |  |  |
|  | 35 |       |                    |          |            |  |  |  |
|  | 36 |       |                    |          |            |  |  |  |
|  | 37 |       |                    |          |            |  |  |  |
|  | 38 |       |                    |          |            |  |  |  |
|  | 39 |       |                    |          |            |  |  |  |

|  | 40 | LDFR | Floating           |          |            |  |  |  |
|--|----|------|--------------------|----------|------------|--|--|--|
|  | 41 | STFR | Floating           |          |            |  |  |  |
|  | 42 | STIR | Arithmetic/Logical | Complete | Customized | store<br>immediate<br>to<br>general<br>purpose<br>register |  |  |
|  | 43 | STIX | Arithmetic/Logical | Complete | Customized | store<br>immediate<br>to index<br>register                 |  |  |
|  | 44 |      |                    |          |            |  |  |  |
|  | 45 |      |                    |          |            |  |  |  |
|  | 46 |      |                    |          |            |  |  |  |
|  | 47 |      |                    |          |            |  |  |  |
|  | 48 |      |                    |          |            |  |  |  |
|  | 49 | IN   | I/O                | Complete |            |  |  |  |
|  | 50 | OUT  | I/O                | Complete |            |  |  |  |
|  | 51 | CHK  | I/O                |          |            |  |  |  |
|  | 52 |      |                    |          |            |  |  |  |
|  | 53 |      |                    |          |            |  |  |  |
|  | 54 |      |                    |          |            |  |  |  |
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|  | 56 |      |                    |          |            |  |  |  |
|  | 57 |      |                    |          |            |  |  |  |
|  | 58 |      |                    |          |            |  |  |  |
|  | 59 |      |                    |          |            |  |  |  |
|  | 60 |      |                    |          |            |  |  |  |
|  | 61 |      |                    |          |            |  |  |  |
|  | 62 |      |                    |          |            |  |  |  |
|  | 63 |      |                    |          |            |  |  |  |
|  | 64 |      |                    |          |            |  |  |  |