MCR10200
list_imft_requests prints garbage for an unknown default destination
Revision 1.0

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1 Problem Description

`list_imft_requests` (`lir`) with no `-destination` or `-source` lists the default IMFT destination, the request type returned by `imft_default_rqt_`. When that request type is unknown (for example, no queue has the added name `imft_1.ms`, so `imft_default_rqt_` returns `imft`), `lir` prints its error with garbage instead of the system name:

```
lir
list_imft_requests: Unknown destination. "\000\000\000\000\000\000\000\004\000..."
```

The message is printed from the label `INVALID_DESTINATION_SPECIFICATION`, which uses `foreign_system` and `remote`. Both are automatic variables set only when `-destination` or `-source` is given. When the change of March 1983 made `lir` use `imft_default_rqt_`, it did not set them for the default. `enter_imft_request` and `imft_cir_mir_commands_` (`cancel_imft_request`, `move_imft_request`) do.

2 Proposed Fix

Set `foreign_system` and `remote` from the default request type when it is fetched, as `imft_cir_mir_commands_` does:

```
      request_type = imft_default_rqt_ ();
      foreign_system = after (request_type, "To_");
      if foreign_system = "" then foreign_system = request_type;
      remote = "0"b;
```

With no default destination configured, `lir` then prints `Unknown destination. "imft"`. Nothing else changes.

The `compare_ascii` output showing the changes is here:

```
cpa [lpn list_imft_requests.pl1] ==

Inserted in B:
B184              foreign_system = after (request_type, "To_"); /* for error messages
    about the default */
B185              if foreign_system = "" then foreign_system = request_type;
B186              remote = "0"b;                                /* default is -destination
    */
Preceding:
A184              queue = -1;                                   /* list all queues by
    default */

Comparison finished: 1 difference, 3 lines.
```

3 Documentation

None. `list_imft_requests.info` already says the default is `-destination imft`.

4 Test

1. On a system with no default destination (no `imft_1.ms` name): `lir` prints `Unknown destination. "imft"`.
2. On a system whose `imft_1.ms` has the added name `To_SYS_1.ms`: `lir` lists the `To_SYS` queues, the same as `lir -ds SYS`.
3. `lir -ds SYS`, `lir -sc SYS`, `lir -ds BOGUS` and `lir -sc BOGUS`: unchanged.

5 Files Changed

`bound_imft_.s.archive`	`list_imft_requests.pl1`

6 Version History

2026-10-27	1.0	Initial version of the MCR.