**Disk Format Notes**

H8D

* 100k
* Interleave 4, starts with sector 1
* 10 Sectors per track, 40 trk
* HxC Floppy Emulator converts to HFE directly

H37

* 160k – 800k
* Interleave 3, starts with sector 1 (OLD) OR 3, 12
* Sectors per track varies, disk has ID byte designating format
* H8D Utility converts to IMD, then HxC Floppy Emulator converts to HFE
* IMD format starts with sector 3
* H37 format starts with sector 1, IMD Convert converts to IMD with sector skew included which HFE uses without issue
* H37 format conversion to IMG format needs to start at 3 since sector skew expects it to mimic physical disk

MS-DOS

* 320k or 360k
* Interleave 1, starts with sector 1
* Sectors per track varies by disk size, 8 or 9. 360k disk used BIOS Parameter Block DOS format
* Disk Utility converts to IMD, then HxC Floppy Emulator converts to HFE
* IMD format starts with sector 1
* Z100 format starts with sector 1, IMD Convert converts to IMD with sector skew included which HFE uses without issue
* Z100 format conversion to IMG format works since Z100 mirrors physical disk

IMG

* Size equals Sectors per track \* sector size \* number of tracks
* Sectors are in numerical order. No Skew

Small Z80

* 1.44MB
* Interleave 6, starts with sector 8
* 18 Sectors per track, 512 byte sectors, 160 tracks
* Disk Utility can convert IMD, then HxC Floppy Emulator converts to HFE
* IMD format starts with sector 8
* Z80 format starts with sector 8, IMD Convert converts to IMD with sector skew included which HFE uses without issue

Conversions

* Dunfield IMD files image skew matches physical disk. For an 800k disk, the first sector is 3.
* H37 has skew of 3, sector 1 is first but in same order as Dunfield IMD
  + H37 conversion to IMG
    - Convert to IMD
    - Then convert to IMG
* MS-DOS IMD disk has skew = 1
* IMG files are sequential order, skew = 1
* IMG conversion to IMD keeps skew = 1
* IMD conversion to IMG changes skew to 1