7.3.1 Supported CPC functions	214
7.3.2 Coupling and clustering	217
7.3.3 Network connectivity	
7.3.4 Cryptographic functions	225
7.3.5 Special purpose features	
7.4 Support by features and functions	
7.4.1 LPAR configuration and management	
7.4.2 Base CPC features and functions	
7.4.3 Coupling and clustering features and functions	
7.4.4 Storage connectivity-related features and functions	
7.4.5 Networking features and functions	
7.4.6 Cryptography features and functions support	
7.4.7 Special-purpose features and functions	
7.5 z/OS migration considerations	
7.5.1 General guidelines	
7.5.2 Hardware Fix Categories (FIXCATs)	
7.5.3 Coupling links	
7.5.4 z/OS XL C/C++ considerations	
7.5.5 z/OS V2.3	
7.6 z/VM migration considerations	
7.6.1 z/VM 7.1	
7.6.2 z/VM 6.4	
7.6.3 ESA/390-compatibility mode for guests	
7.6.4 Capacity	
7.7 z/VSE migration considerations	
7.8 Software licensing	
7.9 References	
	200
Chapter 8. System upgrades	281
Chapter 8. System upgrades	281
Chapter 8. System upgrades	281 283
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology	281 283 283
Chapter 8. System upgrades 8.1 Upgrade types. 8.1.1 Overview of upgrade types. 8.1.2 CoD for z14 ZR1 systems terminology. 8.1.3 Permanent upgrades	281 283 283 284 286
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades.	281 283 283 284 286 287
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades. 8.2 Concurrent upgrades	281 283 283 284 286 287 287
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades	281 283 284 286 287 287 288
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility	281 283 284 286 287 288 290
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary	281 283 284 286 287 287 288 290 294
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades	281 283 284 286 287 287 288 290 294
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs	281 283 284 286 287 287 288 290 294 294 295
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory	281 283 284 286 287 287 288 290 294 294 295 296
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades. 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for I/O	281 283 284 286 287 288 290 294 295 296 296
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for l/O 8.3.4 Feature on Demand	281 283 284 286 287 287 288 290 294 294 295 296 297
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for memory 8.3.4 Feature on Demand 8.3.5 Plan-ahead feature	281 283 284 286 287 288 290 294 294 295 296 297 298
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for I/O 8.3.4 Feature on Demand 8.3.5 Plan-ahead feature 8.4 Permanent upgrade through the CIU facility	281 283 284 287 287 288 290 294 294 295 296 297 298 298
Chapter 8. System upgrades 8.1 Upgrade types. 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades. 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for memory 8.3.4 Feature on Demand 8.3.5 Plan-ahead feature 8.4 Permanent upgrade through the CIU facility 8.4.1 Ordering	281 283 284 286 287 287 288 290 294 294 295 296 296 298 298 300
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for memory 8.3.4 Feature on Demand 8.3.5 Plan-ahead feature 8.4 Permanent upgrade through the CIU facility 8.4.1 Ordering 8.4.2 Retrieval and activation	281 283 284 286 287 287 288 290 294 295 296 296 297 298 298 300 301
Chapter 8. System upgrades 8.1 Upgrade types. 8.1.1 Overview of upgrade types. 8.1.2 CoD for z14 ZR1 systems terminology. 8.1.3 Permanent upgrades. 8.1.4 Temporary upgrades. 8.2 Concurrent upgrades. 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility. 8.2.3 Concurrent upgrade functions summary. 8.3 Miscellaneous equipment specification upgrades. 8.3.1 MES upgrade for PUs. 8.3.2 MES upgrades for I/O. 8.3.4 Feature on Demand. 8.3.5 Plan-ahead feature. 8.4 Permanent upgrade through the CIU facility. 8.4.1 Ordering. 8.4.2 Retrieval and activation. 8.5 On/Off Capacity on Demand.	281 283 284 286 287 287 288 290 294 295 296 296 297 298 298 300 301 302
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for PUs 8.3.3 MES upgrades for I/O 8.3.4 Feature on Demand 8.3.5 Plan-ahead feature 8.4 Permanent upgrade through the CIU facility 8.4.1 Ordering 8.4.2 Retrieval and activation 8.5 On/Off Capacity on Demand 8.5.1 Overview	281 283 284 286 287 287 288 290 294 294 295 296 297 298 298 300 301 302
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for I/O 8.3.4 Feature on Demand 8.3.5 Plan-ahead feature 8.4 Permanent upgrade through the CIU facility 8.4.1 Ordering 8.4.2 Retrieval and activation 8.5 On/Off Capacity on Demand 8.5.1 Overview 8.5.2 Capacity Provisioning Manager	281 283 284 286 287 287 288 290 294 294 295 296 297 298 298 300 301 302 303
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for I/O 8.3.4 Feature on Demand 8.3.5 Plan-ahead feature 8.4 Permanent upgrade through the CIU facility 8.4.1 Ordering 8.4.2 Retrieval and activation 8.5 On/Off Capacity on Demand 8.5.1 Overview 8.5.2 Capacity Provisioning Manager 8.5.3 Ordering	281 283 284 286 287 287 288 290 294 294 295 296 296 298 298 300 301 302 303 304
Chapter 8. System upgrades 8.1 Upgrade types 8.1.1 Overview of upgrade types 8.1.2 CoD for z14 ZR1 systems terminology 8.1.3 Permanent upgrades 8.1.4 Temporary upgrades 8.2 Concurrent upgrades 8.2.1 Upgrades 8.2.2 Customer Initiated Upgrade facility 8.2.3 Concurrent upgrade functions summary 8.3 Miscellaneous equipment specification upgrades 8.3.1 MES upgrade for PUs 8.3.2 MES upgrades for memory 8.3.3 MES upgrades for I/O 8.3.4 Feature on Demand 8.3.5 Plan-ahead feature 8.4 Permanent upgrade through the CIU facility 8.4.1 Ordering 8.4.2 Retrieval and activation 8.5 On/Off Capacity on Demand 8.5.1 Overview 8.5.2 Capacity Provisioning Manager	281 283 284 286 287 287 288 290 294 295 296 296 298 298 298 300 301 302 303 304 307