

worldpay
from FIS

EMV Network Keys: Test

March 16, 2023

Visa

Visa 1408 Public Key

RID	A000000003
CAPK Index	92
Expiry Date	12312024
CAPK Modulus	996AF56F569187D09293C14810450ED8EE3357397B18A2458EFAA92DA3B6DF6514EC060195318FD43BE9B8F0CC669E3F844057CBDDF8BDA191BB64473BC8DC9A730DB8F6B4EDE3924186FFD9B8C7735789C23A36BA0B8AF65372EB57EA5D89E7D14E9C7B6B557460F10885DA16AC923F15AF3758F0F03EBD3C5C2C949CBA306DB44E6A2C076C5F67E281D7EF56785DC4D75945E491F01918800A9E2DC66F60080566CE0DAF8D17EAD46AD8E30A247C9F
CAPK Exponent	03
Hash Value	429C954A3859CEF91295F663C963E582ED6EB253

Visa 1984 Public Key

RID	A000000003
CAPK Index	94
Expiry Date	12312032
CAPK Modulus	ACD2B12302EE644F3F835ABD1FC7A6F62CCE48FFEC622AA8EF062BEF6FB8BA8BC68BBF6AB5870EED579BC3973E121303D34841A796D6DCBC41DBF9E52C4609795C0CCF7EE86FA1D5CB041071ED2C51D2202F63F1156C58A92D38BC60BDF424E1776E2BC9648078A03B36FB554375FC53D57C73F5160EA59F3AFC5398EC7B67758D65C9BFF7828B6B82D4BE124A416AB7301914311EA462C19F771F31B3B57336000DFF732D3B83DE07052D730354D297BEC72871DCCF0E193F171ABA27EE464C6A97690943D59BDABB2A27EB71CEEBAFA1176046478FD62FEC452D5CA393296530AA3F41927ADFE434A2DF2AE3054F8840657A26E0FC617
CAPK Exponent	03
Hash Value	C4A3C43CCF87327D136B804160E47D43B60E6E0F

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MasterCard

MasterCard 1408 Public Key

RID	A000000004
CAPK Index	F1
Expiry Date	12312024
CAPK Modulus	A0DCF4BDE19C3546B4B6F0414D174DDE294AABBB828C5A834D73AAE27C99B0B053A90278007239B6459FF0BBCD7B4B9C6C50AC02CE91368DA1BD21AAEADBC65347337D89B68F5C99A09D05BE02DD1F8C5BA20E2F13FB2A27C41D3F85CAD5CF6668E75851EC66EDBF98851FD4E42C44C1D59F5984703B27D5B9F21B8FA0D93279FBFF69E090642909C9EA27F898959541AA6757F5F624104F6E1D3A9532F2A6E51515AEAD1B43B3D7835088A2FAFA7BE7
CAPK Exponent	03
Hash Value	D8E68DA167AB5A85D8C3D55ECB9B0517A1A5B4BB

MasterCard 1984 Public Key

RID	A000000004
CAPK Index	EF
Expiry Date	12312031
CAPK Modulus	A191CB87473F29349B5D60A88B3EAE0973AA6F1A082F358D849FDDFF9C091F899EDA9792CAF09EF28F5D22404B88A2293EEBBC1949C43BEA4D60CFD879A1539544E09E0F09F60F065B2BF2A13ECC705F3D468B9D33AE77AD9D3F19CA40F23DCF5EB7C04DC8F69EBA565B1EBCB4686CD274785530FF6F6E9EE43AA43FDB02CE00DAEC15C7B8FD6A9B394BABA419D3F6DC85E16569BE8E76989688EFEA2DF22FF7D35C043338DEAA982A02B866DE5328519EBBCD6F03CDD686673847F84DB651AB86C28CF1462562C577B853564A290C8556D818531268D25CC98A4CC6A0BDFFFDA2DCCA3A94C998559E307FDDF915006D9A987B07DDAEB3B
CAPK Exponent	03
Hash Value	21766EBB0EE122AFB65D7845B73DB46BAB65427A

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American Express

AMEX 1408 Public Key

RID	A000000025
CAPK Index	C9
Expiry Date	12312025
CAPK Modulus	B362DB5733C15B8797B8ECEEE55CB1A371F760E0BEDD3715BB270424FD4EA26062C38C3F4AAA3732A83D36EA8E9602F6683EECC6BAFF63DD2D49014BDE4D6D603CD744206B05B4BAD0C64C63AB3976B5C8CAAF8539549F5921C0B700D5B0F83C4E7E946068BAAAB5463544DB18C63801118F2182EFCC8A1E85E53C2A7AE839A5C6A3CABE73762B70D170AB64AFC6CA482944902611FB0061E09A67ACB77E493D998A0CCF93D81A4F6C0DC6B7DF22E62DB
CAPK Exponent	03
Hash Value	8E8DFF443D78CD91DE88821D70C98F0638E51E49

AMEX 1984 Public Key

RID	A000000025
CAPK Index	CA
Expiry Date	12312027
CAPK Modulus	C23ECBD7119F479C2EE546C123A585D697A7D10B55C2D28BEF0D299C01DC65420A03FE5227ECDECB8025FBC86EEBC1935298C1753AB849936749719591758C315FA150400789BB14FADD6EAE2AD617DA38163199D1BAD5D3F8F6A7A20AEF420ADFE2404D30B219359C6A4952565CCCA6F11EC5BE564B49B0EA5BF5B3DC8C5C6401208D0029C3957A8C5922CBDE39D3A564C6DEBB6BD2AEF91FC27BB3D3892BEB9646DCE2E1EF8581EFA712158AAEC541C0BBB4B3E279D7DA54E45A0ACC3570E712C9F7CDF985CFAFD382AE13A3B214A9E8E1E71AB1EA707895112ABC3A97D0FCB0AE2EE5C85492B6CFD54885CDD6337E895CC70FB3255E3
CAPK Exponent	03
Hash Value	6BDA32B1AA171444C7E8F88075A74FBFE845765F

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Discover

Discover 1408 Public Key

RID	A000000152
CAPK Index	5C
Expiry Date	12312024
CAPK Modulus	833F275FCF5CA4CB6F1BF880E54DCFEB721A316692CAFEB28B698CAECAFA2B2D2AD8517B1EF B59DDEFC39F9C3B33DDEE40E7A63C03E90A4DD261BC0F28B42EA6E7A1F307178E2D63FA1649 155C3A5F926B4C7D7C258BCA98EF90C7F4117C205E8E32C45D10E3D494059D2F2933891B979C E4A831B301B0550CDAE9B67064B31D8B481B85A5B046BE8FFA7BDB58DCOD7032525297F26FF 619AF7F15BCEC0C92BCDCBC4FB207D115AA65CD04C1CF982191
CAPK Exponent	03
Hash Value	60154098CBBA350F5F486CA31083D1FC474E31F8

Discover 1984 Public Key

RID	A000000152
CAPK Index	5D
Expiry Date	12312025
CAPK Modulus	AD938EA9888E5155F8CD272749172B3A8C504C17460EFA0BED7CBC5FD32C4A80FD810312281 B5A35562800CDC325358A9639C501A537B7AE43DF263E6D232B811ACDB6DDE979D55D6C911 173483993A423A0A5B1E1A70237885A241B8E8BB5571E2D32B41F9CC5514DF83F0D69270E10 9AF1422F985A52CCE04F3DF269B795155A68AD2D6B660DDCD759F0A5DA7B64104D22C2771E CE7A5FFD40C774E441379D1132FAF04CDF55B9504C6DCE9F61776D81C7C45F19B9EFB3749AC7 D486A5AD2E781FA9D082FB2677665B99FA5F1553135A1FD2A2A9FBF625CA84A7D7365214311 78F13100A2516F9A43CE095B032B886C7A6AB126E203BE7
CAPK Exponent	03
Hash Value	B51EC5F7DE9BB6D8BCE8FB5F69BA57A04221F39B

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JCB

JCB 1408 Public Key

RID	A000000065
CAPK Index	11
Expiry Date	12312024
CAPK Modulus	A2583AA40746E3A63C22478F576D1EFC5FB046135A6FC739E82B55035F71B09BEB566EDB9968DD649B94B6DEDC033899884E908C27BE1CD291E5436F762553297763DAA3B890D778C0F01E3344CECDFB3BA70D7E055B8C760D0179A403D6B55F2B3B083912B183ADB7927441BED3395A199EEFE0DEBD1F5FC3264033DA856F4A8B93916885BD42F9C1F456AAB8CFA83AC574833EB5E87BB9D4C006A4B5346BD9E17E139AB6552D9C58BC041195336485
CAPK Exponent	03
Hash Value	D9FD62C9DD4E6DE7741E9A17FB1FF2C5DB948BCB

JCB 1984 Public Key

RID	A000000065
CAPK Index	13
Expiry Date	12312030
CAPK Modulus	A3270868367E6E29349FC2743EE545AC53BD3029782488997650108524FD051E3B6EACA6A9A6C1441D28889A5F46413C8F62F3645AAEB30A1521EEF41FD4F3445BFA1AB29F9AC1A74D9A16B93293296CB09162B149BAC22F88AD8F322D684D6B49A12413FC1B6AC70EDED18EC1585519A89B50B3D03E14063C2CA58B7C2BA7FB22799A33BCDE6AFCBEB4A7D64911D08D18C47F9BD14A9FAD8805A15DE5A38945A97919B7AB88EFA11A88C0CD92C6EE7DC352AB0746ABF13585913C8A4E04464B77909C6BD94341A8976C4769EA6C0D30A60F4EE8FA19E767B170DF4FA80312DBA61DB645D5D1560873E2674E1F620083F30180BD96CA589
CAPK Exponent	03
Hash Value	54CFAE617150DFA09D3F901C9123524523EBEDF3

China UnionPay

China UnionPay 1024 Public Key

RID	A000000333
CAPK Index	0A
Expiry Date	12312030
CAPK Modulus	B2AB1B6E9AC55A75ADFD5BBC34490E53C4C3381F34E60E7FAC21CC2B26DD34462B64A6FAE2495ED1DD383B8138BEA100FF9B7A111817E7B9869A9742B19E5C9DAC56F8B8827F11B05A08ECF9E8D5E85B0F7CFA644EFF3E9B796688F38E006DEB21E101C01028903A06023AC5AAB8635F8E307A53AC742BDCE6A283F585F48EF
CAPK Exponent	03
Hash Value	C88BE6B2417C4F941C9371EA35A377158767E4E3

China UnionPay 1152 Public Key

RID	A000000333
CAPK Index	08
Expiry Date	12312030
CAPK Modulus	B61645EDFD5498FB246444037A0FA18C0F101EBD8EFA54573CE6E6A7FBF63ED21D66340852B0211CF5EEF6A1CD989F66AF21A8EB19DBD8DBC3706D135363A0D683D046304F5A836BC1BC632821AFE7A2F75DA3C50AC74C545A754562204137169663CFCC0B06E67E2109EBA41BC67FF20CC8AC80D7B6EE1A95465B3B2657533EA56D92D539E5064360EA4850FED2D1BF
CAPK Exponent	03
Hash Value	EE23B616C95C02652AD18860E48787C079E8E85A

China UnionPay 1408 Public Key

RID	A000000333
CAPK Index	09
Expiry Date	12312030
CAPK Modulus	EB374DFC5A96B71D2863875EDA2EAFB96B1B439D3ECE0B1826A2672EEFA7990286776F8BD9 89A15141A75C384DFC14FEF9243AAB32707659BE9E4797A247C2F0B6D99372F384AF62FE23BC 54BCDC57A9ACD1D5585C303F201EF4E8B806AFB809DB1A3DB1CD112AC884F164A67B99C7D6 E5A8A6DF1D3CAE6D7ED3D5BE725B2DE4ADE23FA679BF4EB15A93D8A6E29C7FFA1A70DE2E54 F593D908A3BF9EBBD760BBFDC8DB8B54497E6C5BE0E4A4DAC29E5
CAPK Exponent	03
Hash Value	A075306EAB0045BAF72CDD33B3B678779DE1F527

China UnionPay 1984 Public Key

RID	A000000333
CAPK Index	0B
Expiry Date	12312030
CAPK Modulus	CF9FDF46B356378E9AF311B0F981B21A1F22F250FB11F55C958709E3C7241918293483289EAE6 88A094C02C344E2999F315A72841F489E24B1BA0056CFAB3B479D0E826452375DCDBB67E97E C2AA66F4601D774FEAEF775ACCC621BFEB65FB0053FC5F392AA5E1D4C41A4DE9FFDFDF1327C 4BB874F1F63A599EE3902FE95E729FD78D4234DC7E6CF1ABABAA3F6DB29B7F05D1D901D2E76 A606A8CBFFFECD918FA2D278BDB43B0434F5D45134BE1C2781D157D501FF43E5F1C470967 CD57CE53B64D82974C8275937C5D8502A1252A8A5D6088A259B694F98648D9AF2CB0EFD9D9 43C69F896D49FA39702162ACB5AF29B90BADE005BC157
CAPK Exponent	03
Hash Value	BD331F9996A490B33C13441066A09AD3FEB5F66C

WEX

WEX 1408 Public Key

RID	A000000768
CAPK Index	EE
Expiry Date	12312027
CAPK Modulus	A8D150CEE34B16D294B46B99BD6B3284303BD1FFD316C210E876666AD991DFE68DC1BD0835A5E03F753DB0DCE112A928C0C604F5DF256E265E05B59B4DAA15E74B0E5E27E56F8D97C1233D416162DDEC7EFE731D30BBA16683557E4D8FA15269F51D40468D1B2C31CCD314804FC97341F68A1BB78F4985B99F0901557B52196950CF6A12D6FD4356002197B17A8035606DAAC2BFCD83CD86B9FCDBC64908BFB039C268772D73E44C3867AFC002C12CB5
CAPK Exponent	03
Hash Value	6DFE06AB7FAD2D98EA18B7849D11DF704D08EFAE

WEX 1984 Public Key

RID	A000000768
CAPK Index	E1
Expiry Date	12312027
CAPK Modulus	AD767119B139295B9EF760B9A94811580E933A03E76C0A7022F1021278EB6FBBEF36599D5A95C2CB603364E1DA12DF88B76D19F225F14D2A689C580DC2B54457C8BEA50086A4BE897D3353AA003CAFAB5AE3993BE6D379D488689028EC852DFED90EA6FDD73ACF6583934E64601A0EE45AF652B52CC58A9EFA5D846DD79EFC9A8638275EC264B3C40AA3C8F3DDF1F9D378598362DF48417BF039A04D70B4FFA14A2F6218299428C625EF949F08740ED36FE9265BB8E2CA94604EFC0AEB654F9FC455F22B1EC46871E46638CE190D3691313E41C7F9C8AD4AE3D1B574D4336AD6A2BA551F2DB3A8D44F375CB67D94AFBDFD34DEA92066149
CAPK Exponent	03
Hash Value	AE03037B9B042B0F9690500DEE287CD706FF73C8

Interac

Interac 1408 Public Key

RID	A000000277
CAPK Index	03
Expiry Date	12312024
CAPK Modulus	E0FFBEE77CEE02ADEE8B4B004D26FB46FAF3CE033E3B874D73D099A966A0657497CEE214E95D F2BF5C9D359A3B10C05CFC9929BEF3070036FD19AE661B173E486CBC9B04E4B2E2D0D8209CA F5C200929FA252A21BD69A9A47488844A1DE5BF8729CE5E5E92117047BDDE9FBE72397FD9FC 3BE459D8ED06FD6CADF0AFF39C93CC07B312EE2ACB3D4A15E919F57481CFEF
CAPK Exponent	010001
Hash Value	BAF3652A9F5D0FF45EECECA55B4597B1F53BE283

Interac 1984 Public Key

RID	A000000277
CAPK Index	07
Expiry Date	12312030
CAPK Modulus	B2CE89726B6B2D1690A0F8CA75CD0B6B1ACDFBE66D53BA00C500BE612FB421423684FF18685 54A7722258012E588ED1CD206C67BB2F7598F3CE67F23A888B8ED7421C49A2EBA224DFBD866 F62E59338E9F626D0DFD4C9ACC626E42EC0375EE424C93E5DB5773FC98E4AC9FCDEBD0521B1 5295C797DCABB4679C055AC374A81B245ABF1092A3D46E1CCE10A84F9FC2FC6ED9102512158 9C9AA68B56B7FBF0D86B4C8E3C9C08406DBB4609BBFC5308F325A8273CB6D36F3E0AF772507 BF8A2A9F5A749B5AF98CCEAB2826C2D9C2AB9103B1BAB0DE92099C8072477EC564062AC3818 4C60DAD298EF352D92DFA041DDE3DB260CE5302B47A7E9
CAPK Exponent	010001
Hash Value	44F2C13373A5068B63C9334E914DDE6AB70CE0F1