

Subject: Unified input on proposed changes to Unihan readings

To: UTC

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Source: Compiled by Peter Edberg based on input from Åke Persson, Apple experts, CLDR

This document proposes changes to various Unihan fields related to character readings: Primarily to kMandarin (including addition of a second value in some cases for distinct readings in traditional Chinese), but also in some cases to kHanyPinyin and kHanyuPinlu. It has been compiled from various sources including proposals by Åke Persson (Mimer), reports by Apple experts, and CLDR tickets. Modification history is at the end of the document.

Sources and references thereto include the following and updated information later provided for them:

1. **Persson-2013-05**: Proposed changes in Unihan kMandarin field for 571 Han characters, Åke Persson, 2013-05-27.
In repository as [L2/15-034](#). This includes cross references to readings from Zdic, Microsoft, Mimer.
2. **Persson-2013-12**: Proposed changes in Unihan_Readings.txt, Åke Persson, 2013-12-10.
In repository as [L2/15-035](#). These are based on Hànyǔ Dà Zìdiǎn ISBN 7-80543-001-2.
3. **Persson-2015-05**: Proposed changes in Unihan kMandarin field for 34 Han characters, Åke Persson, 2015-05-27. In repository as [L2/15-150](#).
4. **Apple-13277481**: Proposed kMandarin updates that apply to both simplified and traditional Chinese.
These are drawn from the following sources:
 - <http://www.zdic.net>
 - <http://chardb.iis.sinica.edu.tw>
 - <http://xh.5156edu.com>
 - <http://dict.revised.moe.edu.tw>
5. **Apple-13277421**: Proposed kMandarin additions (second value) specific to traditional Chinese. This also included some proposals for changes relevant to both simplified and traditional Chinese. The initial proposed list was also filed as CLDR ticket 5749.
6. **cldr5025-leftover**: Several Mimer values from the list of 24 proposed changes not addressed in CLDR ticket 5025; see the list at the end of <http://unicode.org/cldr/trac/ticket/5205#comment:8>
7. **cldr5749-main**: The initial list of zh-Hant-specific readings in <http://unicode.org/cldr/trac/ticket/5749>

This document includes several tables derived from the above with later updates:

1. 287 changes to kMandarin proposed by both Persson-2013-05 and Apple-13277481, with which Zdic and Microsoft values also agree. These seem completely uncontroversial.
 - 1a. 1 change to kMandarin proposed by both Persson-2015-05 and Apple-13277481, with which Zdic and Microsoft values also agree. Also uncontroversial.
 - 1b. 6 changes similar to the above, but for which either the Apple proposed value conflicts with Persson/Zdic/MS or the MS value conflicts with Persson/Zdic/Apple.
2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a proposal. Apple reviewed these and disagrees with one.
 - 2a. 3 changes similar to the above, but for which the “kHanyuPinyin indirect reference” value cited by Persson conflicts with the proposed reading. Apple supports the Persson proposed values.

- 2b. 33 changes to kMandarin proposed by Persson-2015-05 and supported by Zdic and Microsoft values. For 8 of these, Apple-13277421 instead suggests adding the proposed value or a similar value as a second reading specific to traditional Chinese.
3. 105 changes to kMandarin proposed by Apple-13277481, which Persson has briefly reviewed (for these I don't have information about Zdic or Microsoft values).
4. 42 additions to kMandarin (second values specific to traditional Chinese) proposed by Apple-13277421.
- 4b. 8 more additions to kMandarin (second values specific to traditional Chinese) proposed by Apple-13277421, to be made if the proposed changes to primary kMandarin readings per table 2b are not made.
5. Changes to various Unihan reading fields (kMandarin, kHanyuPinyin, and/or kHanyuPinlu) for 40 characters, proposed by Persson-2013-12 and later communication, including 36 changes to kMandarin; of the latter, two are also proposed by Apple-13277481, and Apple disagrees with a third. Also corrections to a dictionary index for one character.

1. 287 changes to kMandarin proposed by both Persson-2013-05 and Apple-13277481, with which Zdic and Microsoft values also agree. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u4E37	ㄅ	ha	bā	
u4E44	ㄨ	wu	wǔ	
u4EBD	ㄐ	ji	jí	
u4EE9	仕	shang	cháng	
u4EEE	佞	jiǎ	fǎn	Mimer, kHanyuPinyin indirect (i.e. reading for related character)
u4FE7	佻	zhi	zhì	
u503F	倭	qie	nìng	
u50A6	偈	gu	gǔ	
u50F2	儻	xian	xiān	
u510F	儻	can	càn	
u51D6	準	zhun	zhǔn	Mimer, kHanyuPinyin indirect
u51E7	凵	zheng	zhēng	
u51EA	凵	zhi	zhǐ	
u5285	劊	zhuò	zhuó	Mimer, kHanyuPinyin indirect
u5307	匆	yi	yì	
u5381	斜	san	sān	
u55F4	嗟	qiang	qiāng	
u5625	噤	sai	sāi	
u567A	嘶	xin	xīn	
u5691	噀	xun	xūn	
u5726	圪	kuai	kuài	
u57D6	堉	hua	huā	
u5812	垠	kun	kūn	
u5814	塚	shen	shēn	
u5841	罍	lei	lěi	Mimer, kHanyuPinyin indirect
u5870	溼	hai	hǎi	
u589B	塢	wei	wèi	

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u58B9	堦	jian	jiàn	
u58D7	壙	jin	jìn	
u58E5	壙	chan	chán	
u5908	条	zhai	zhāi	Mimer, kHanyuPinyin indirect
u5911	爨	xie	xiè	
u594D	养	yang	quān	
u599B	岙	chi	chī	Mimer, kHanyuPinyin indirect
u5A72	姦	hua	huā	
u5AAB	媿	qie	jié	Mimer, kHanyuPinyin indirect
u5B67	孳	you	yòu	
u5C72	岍	wa	wā	
u5C76	岍	dao	huì	Apple-13277421
u5C77	岍	hui	huì	
u5CE0	岍	gu	qiǎ	
u5D30	岍	zi	zī	Mimer, kHanyuPinyin indirect
u5D59	岍	ke	kē	
u5D5C	岍	ti	qí	Mimer, kHanyuPinyin indirect
u5D75	岍	shi	shí	
u5D76	岍	ruo	ruò	
u5DB6	岍	wei	wēi	
u5E49	岍	die	dié	Apple-13277421
u5E65	岍	zhang	zhǎng	
u5E92	岍	zhuang	zhuāng	Mimer, kHanyuPinyin indirect
u5EED	岍	ji	jì	
u5F45	岍	jian	jiǎn	
u603A	岍	yong	yǒng	
u6056	岍	si	sī	Mimer, kHanyuPinyin indirect

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u6125	悞	ying	yīng	
u6256	扒	ru	rù	
u6327	捫	yu	yǔ	
u6364	捩	wei	wěi	
u63B6	揆	geng	jié	
u64DC	擻	e	è	
u651A	撻	ying	wěng	
u66FB	鼻	sheng	shēng	
u6725	勝	lao	láo	
u6741	杓	ru	rù	
u6764	朽	wan	wàn	
u6766	杓	jiu	jiǔ	
u67A6	栎	lu	lú	
u67A9	柸	song	sōng	
u6803	柸	li	lì	
u6806	枣	zao	zǎo	Mimer, kHanyuPinyin indirect
u685D	柸	jie	jié	
u685E	柳	liu	liǔ	
u6919	桴	chang	chāng	
u691B	椌	hua	huā	
u6921	椌	dao	dào	Apple-13277421
u6928	椌	fu	fǔ	Apple-13277421
u692C	椌	yi	yí	
u697E	椌	quan	quán	
u697F	椌	xiang	xiāng	
u6981	椌	shi	shǐ	
u698A	椌	shen	shén	

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u69B2	楹	yún	wēn	Mimer, kHanyuPinyin indirect
u69D7	槁	qiao	qiáo	Mimer, kHanyuPinyin indirect
u69DD	槁	dao	dǎo	Apple-13277421
u69DE	橦	long	lóng	
u69E1	橦	sang	sāng	
u6A2D	槩	ji	jī	
u6A2E	槩	yan	yān	
u6A30	檣	xue	xuě	
u6A73	檣	sheng	shèng	
u6A74	檣	zi	zǐ	
u6A78	楫	jing	jīng	
u6AAA	楫	li	lì	Mimer, kHanyuPinyin indirect
u6AE4	檣	jiang	jiàng	
u6AE6	檣	qing	qìng	
u6B0C	檣	cang	cáng	
u6B0D	檣	jiu	jiù	
u6B15	檣	yan	yán	
u6BB1	殲	jian	jiān	Mimer, kHanyuPinyin indirect
u6BF6	溘	san	sān	
u6C3A	水	shui	shuǐ	Also Mimer
u6C63	次	jiu	jiǔ	
u6DA5	淳	heng	hēng	
u6E0B	洩	se	sè	
u6E0F	洩	qi	yī	
u6EE7	洩	xiao	yáo	
u6F49	滉	kun	kūn	
u6F9D	滉	ning	nìng	Mimer, kHanyuPinyin indirect

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u6FF8	漭	cang	cāng	
u702D	瀚	shu	shū	
u7050	潞	ying	yíng	
u705C	瀛	ying	yíng	
u7073	匀	hui	huī	Mimer, kHanyuPinyin indirect
u70BF	焮	zhou	zhōu	
u70E5	焮	chen	jù	
u7112	焮	lū	lǔ	
u7139	焮	wang	gàng	
u7176	焮	shi	shì	
u718D	焮	qiong	qióng	Mimer, kHanyuPinyin indirect
u7196	焮	yan	yàn	
u71B4	焮	kun	kūn	
u720E	燎	liao	liáo	
u7218	爨	can	cān	
u722B	𠂇	zhao	zhǎo	
u7257	牖	you	yǒu	
u729E	僑	qiao	qiáo	
u7347	獐	qiang	qiāng	
u7363	獸	shou	shòu	Mimer, kHanyuPinyin indirect
u73EF	瑋	lao	lǎo	
u73F1	瑛	ying	yīng	Mimer, kHanyuPinyin indirect
u7411	瑄	suo	suǒ	
u743B	瑤	jin	jīn	
u748D	瑛	hua	yè	
u74A4	瑛	hui	huì	
u74B4	瑛	chu	chǔ	

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u7569	眵	yi	yī	
u7582	疊	die	dié	Mimer, kHanyuPinyin indirect, Apple-13277421
u77A3	聽	huan	wàn	
u781B	砣	jin	jīn	
u783D	礪	yong	yòng	
u783F	砭	kuang	kuàng	Mimer, kHanyuPinyin indirect
u7853	砗	lao	lǎo	
u7874	砣	hua	huā	
u78B5	磧	tian	tián	
u78B7	礪	dun	dùn	
u7900	礪	jian	jiàn	
u7922	礪	yang	yǎng	
u79A3	襍	fu	fù	Apple-13277421
u7A6F	穢	se	sè	Mimer, kHanyuPinyin indirect
u7ABD	窳	kuan	kuǎn	
u7ACD	苙	shi	shí	
u7ACF	苙	qian	qiān	
u7AD3	蚝	hao	háo	
u7AD4	蚌	sheng	shēng	
u7B02	笱	wan	wán	
u7B7A	筐	kuang	kuāng	Mimer, kHanyuPinyin indirect
u7BD0	籬	gu	gū	
u7C31	籬	qi	qí	
u7C4E	籬	yi	yí	
u7C4F	籬	qi	qí	
u7C61	籬	qie	qiè	
u7C80	杖	zhang	zhàng	Mimer cldr5025-leftover

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u7C82	粢	zhai	zhāi	Mimer, kHanyuPinyin indirect
u7C90	粦	hu	hù	
u7CA9	粦	lao	lāo	
u7CAD	粦	he	hé	
u7CC0	粦	hua	huā	
u7CD8	粦	jia	jiā	
u7CEC	糴	shu	shǔ	Mimer cldr5025-leftover
u7D4B	紘	kuang	kuàng	Mimer, kHanyuPinyin indirect
u7D9A	紘	xu	xù	Mimer, kHanyuPinyin indirect
u7D9B	紘	ren	rěn	
u7E04	紘	ying	shéng	Mimer, kHanyuPinyin indirect
u7E05	紘	wei	wēi	
u7E28	紘	huang	huǎng	
u7E4A	紘	xian	xiān	Mimer, kHanyuPinyin indirect
u7E90	纈	jiao	jiǎo	
u7F49	罈	cang	chēng	
u7FF6	翱	ao	áo	Mimer, kHanyuPinyin indirect
u800A	耋	diè	dié	Mimer, kHanyuPinyin indirect, Apple-13277421
u8053	聳	xu	xù	
u8062	聳	ding	dìng	
u8068	聳	lian	lián	Mimer, kHanyuPinyin indirect
u810B	脅	xie	xié	Mimer, kHanyuPinyin indirect
u8133	腦	nao	nǎo	Mimer, kHanyuPinyin indirect
u81A4	膺	xue	xuē	
u820E	舍	she	shè	Mimer, kHanyuPinyin indirect
u822E	舩	lu	lú	
u823F	舩	kua	kuā	Mimer cldr5025-leftover

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u825D	艦	xue	xuě	
u8260	艦	deng	dēng	Apple-13277421
u82C6	劫	qie	qiē	
u8310	芴	cong	cōng	
u8362	苧	yu	zì	
u83B5	菟	tu	tù	Mimer, kHanyuPinyin indirect
u8419	菰	zhen	zhěn	
u841F	菰	yi	yì	
u84D9	蒞	zuo	zuò	
u84E4	菱	ling	líng	Mimer, kHanyuPinyin indirect
u8536	蕘	ze	zé	
u8571	菹	shao	shāo	Mimer cldr5025-leftover
u85F2	藎	ou	ōu	
u8612	藎	qiu	qiū	Mimer, kHanyuPinyin indirect
u8624	藎	wěi	huā	Mimer, kHanyuPinyin indirect
u8645	藎	teng	téng	
u86EF	虯	lao	lǎo	
u87A6	虯	sao	sāo	
u87A7	虯	qi	qí	
u87F5	蝟	chu	chú	
u8834	蟻	shu	shǔ	
u8850	衍	qu	qú	
u8904	棲	qi	qī	
u8977	擧	ju	jǔ	
u897D	襪	lan	lán	Mimer, kHanyuPinyin indirect
u8984	襪	fu	fù	Apple-13277421
u8AAE	詔	hua	huā	

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u8B03	惺	xing	xīng	
u8B22	護	zhi	lū	
u8E19	蹶	jū	niè	Mimer, kHanyuPinyin indirect
u8EB5	認	ren	rěn	
u8EBB	艘	kong	kōng	
u8EC5	驪	yan	yàn	
u8EC8	廳	ying	yīng	
u8F4C	轉	xue	xuě	
u8FB7	亾	yi	yī	
u8FBC	亾	ru	yū	
u8FDA	迓	zhong	dá	
u9027	迓	gu	gǔ	
u9056	適	nan	nán	
u909C	邨	wan	xī	
u90D2	鬯	lang	láng	Mimer, kHanyuPinyin indirect
u915B	醃	yuan	yuán	
u91FB	鉞	qiu	qiú	
u9228	鈺	yuan	yuán	
u9229	鈺	lu	lú	
u922B	鉞	wen	qín	
u92AF	絲	si	sī	
u92F4	鏡	zhen	zhèn	
u933F	鏡	hu	hǔ	
u93B9	鋌	song	sòng	
u93BA	鋌	zu	zǔ	
u93BE	鎰	wen	wēn	
u93EF	鑲	shuang	shuǎng	

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u9423	鎵	zhang	chēng	
u9453	鎧	qian	qiǎn	
u9467	鏡	kuan	kuān	
u95CE	闌	quan	quán	
u9666	隄	dao	dǎo	Mimer, kHanyuPinyin indirect, Apple-13277421
u96A1	薩	sa	sà	Mimer cldr5025-leftover
u9717	零	ling	líng	Mimer, kHanyuPinyin indirect
u974D	靄	he	hè	
u9790	鞞	qia	qiǎ	
u97D5	醇	kuo	kuò	
u98AA	夙	gua	guā	
u9942	饁	yún	wēn	Also Mimer
u99F2	駟	zhou	zhōu	
u9B96	鮎	shi	shí	
u9B97	鮠	dong	dōng	
u9BB1	鮡	lao	lǎo	
u9BB2	鮢	fu	fú	Apple-13277421
u9BB4	鮣	xiu	xiū	
u9BC2	鮤	su	sū	Mimer, kHanyuPinyin indirect
u9BCE	鮥	cheng	chéng	
u9BCF	鮦	li	lí	
u9BD0	鮧	zou	zǒu	
u9BF1	鮨	hu	hǔ	
u9BF2	鮪	yu	yú	
u9BF6	鮶	hǔn	huàn	Mimer, kHanyuPinyin indirect
u9C18	鮷	shi	shì	
u9C1A	鮹	xuan	xuān	

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code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u9C30	鯰	shen	shén	
u9C5B	鱒	zeng	zēng	
u9C5C	鯽	xiang	xiāng	
u9C69	鱒	lei	léi	
u9C6A	鱒	shu	shǔ	
u9C6B	鱒	ai	ài	
u9C70	鱒	shu	shǔ	
u9CF0	入鳥	ru	rù	
u9D27	鸕	ròng	yù	Mimer, kHanyuPinyin indirect
u9D2B	鸕	tian	tián	
u9D46	衡	heng	héng	
u9D47	鸕	nian	nián	
u9D48	鸕	e	ě	
u9D8D	鸕	yi	yì	
u9D8E	鸕	zun	zūn	
u9DAB	鸕	dong	dōng	
u9FA1	鸕	chui	chuī	Mimer, kHanyuPinyin indirect

1a. 1 change to kMandarin proposed by both Persson-2015-05 and Apple-13277481, with which Zdic and Microsoft values also agree. There are kHanyuPinyin and kXHC1983 Unicode values for this.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Notes
u5475	呵	ā	hē	hē, hā, ā, a, kē, huō	ā; á; à; a; hē; kē	

1b. 6 other changes to kMandarin proposed by both Persson-2013-05 and Apple-13277481. Zdic agrees with Persson, however either the proposed Apple value or the MS value conflicts with Persson.

code	char	kMandarin Unicode 7.0	kMandarin proposed Persson	kMandarin proposed Apple, if different	MS value if different than proposed	Supplementary sources
u6A7A	櫛	jian	xiàn		jiàn	Mimer, kHanyuPinyin indirect
u6AF5	樵	jiao	qiáo		jiáo	Mimer, kHanyuPinyin indirect
u6F48	涿	zong	cóng	zōng		
u7177	燒	liang	huǒ		liàng	Mimer, kHanyuPinyin indirect
u7C17	築	liang	zhù		liáng	Mimer, kHanyuPinyin indirect
u7C56	籤	qian	qiān		qián	Mimer, kHanyuPinyin indirect

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u4E67	斗	dou	dǒu	
u4EA3	汜	tà	dà	Mimer, kHanyuPinyin indirect
u4F1D	佉	chuán	yún	Also Mimer
u4F68	饱	bao	bāo	
u4FA2	俥	zài	dài	Also Mimer
u5042	儻	jiān	qián	Mimer, kHanyuPinyin indirect
u50A0	尙	fā	fá	Mimer, kHanyuPinyin indirect
u5128	儻	zhí	zhì	Mimer, kHanyuPinyin indirect
u512C	儻	chèn	qìng	Mimer, kHanyuPinyin indirect
u5164	彙	huáng	huǎng	Mimer, kHanyuPinyin indirect
u51AD	忒	tái	tài	Mimer, kHanyuPinyin indirect
u51C1	涑	shù	sōu	Mimer, kHanyuPinyin indirect
u51D2	滢	yí	ái	Mimer, kHanyuPinyin indirect
u51E9	冂	mu	mù	
u521F	刮	jū	diāo	Mimer, kHanyuPinyin indirect
u5302	匀	bi	xiōng	
u5314	躬	qiōng	gōng	Mimer, kHanyuPinyin indirect
u5325	匠	biàn	fán	Mimer, kHanyuPinyin indirect
u5392	岳	hé	qiè	Mimer, kHanyuPinyin indirect
u53DD	赅	gào	jí	Mimer, kHanyuPinyin indirect
u54FB	嗥	hàn	hān	Mimer, kHanyuPinyin indirect
u5528	啮	zuǒ	zǔ	Also Mimer
u556B	嗜	zhě	zé	Also Mimer; Apple disagrees, prefers zhě
u5571	啾	yān	yán	Also Mimer
u5572	啮	dì	dī	Also Mimer
u55BA	啮	xì	xí	Also Mimer

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u55BC	噫	jié	jiē	Also Mimer
u55E0	貉	luò	lào	Mimer, kHanyuPinyin indirect
u55F0	咽	gè	gě	Also Mimer
u560B	噉	xiāo	xiào	Mimer, kHanyuPinyin indirect
u5692	麼	me	mē	
u5711	團	fù	pǔ	Mimer, kHanyuPinyin indirect
u5724	卦	pǔ	pú	Mimer, kHanyuPinyin indirect
u5737	坏	xia	xià	
u5738	屺	shan	shān	
u5763	堂	tāng	táng	Mimer, kHanyuPinyin indirect
u57AA	拼	bing	bìng	
u57B0	埭	ka	kǎ	
u57B3	圻	hang	háng	
u57DE	淀	dǐ	dī	Mimer, kHanyuPinyin indirect
u5840	摒	ping	píng	
u5887	璋	zhāng	zhàng	Mimer, kHanyuPinyin indirect
u58B8	堵	zhu	zhù	
u5A54	婁	fei	fēi	Mimer, kHanyuPinyin indirect
u5AA8	媾	jiù	cù	Mimer, kHanyuPinyin indirect
u5AF9	媼	máo	miáo	Mimer, kHanyuPinyin indirect
u5B31	婁	cán	qiàn	Mimer, kHanyuPinyin indirect
u5B36	媼	bi	bí	
u5BC9	霍	què	hè	Mimer, kHanyuPinyin indirect
u5C1B	尒	mo	mó	Mimer, kHanyuPinyin indirect
u5CBC	岬	ping	píng	
u5CC5	岬	bian	biàn	

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u5CF5	峯	hóng	róng	Mimer, kHanyuPinyin indirect
u5CFC	皓	hào	gào	Mimer, kHanyuPinyin indirect
u5D96	嶙	yǎn	yān	Mimer, kHanyuPinyin indirect
u5DBB	嶽	zá	jié	Mimer, kHanyuPinyin indirect
u5DD5	巖	nie	niè	
u5E64	幣	bi	bì	Mimer, kHanyuPinyin indirect
u5ECD	廊	pǒu	bù	Also Mimer
u5F41	弼	ge	gē	
u5FDB	帆	fán	fān	Mimer, kHanyuPinyin indirect
u60B3	蕙	duó	dé	Mimer, kHanyuPinyin indirect
u619C	惰	duǒ	duò	Mimer, kHanyuPinyin indirect
u62A9	拊	tān	nán	Mimer, kHanyuPinyin indirect
u6318	撈	lie	liě	
u6335	擗	lòng	nòng	Mimer, kHanyuPinyin indirect
u6359	掉	yì	yè	Mimer, kHanyuPinyin indirect
u637F	摟	xī	qī	Mimer, kHanyuPinyin indirect
u6404	拒	gēng	gèn	Mimer, kHanyuPinyin indirect
u647F	搶	yīn	yáo	Mimer, kHanyuPinyin indirect
u6483	擊	jí	jī	Mimer, kHanyuPinyin indirect
u64DD	搵	meng	mēng	
u64EE	擻	jí	jié	Mimer, kHanyuPinyin indirect
u6521	攤	lí	chī	Mimer, kHanyuPinyin indirect
u656A	斂	duó	duō	Also Mimer
u656F	斂	mín	mǐn	Mimer, kHanyuPinyin indirect
u657E	斂	shan	shàn	Mimer, kHanyuPinyin indirect
u6665	皖	hàn	wǎn	Also Mimer

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u6683	罪	fei	fēi	
u669C	瞽	jìn	pǔ	Mimer, kHanyuPinyin indirect
u66BA	暉	dàn	tǎn	Mimer, kHanyuPinyin indirect
u6763	杧	shan	mián	
u67A1	杧	dǒu	shēng	Also Mimer
u67A4	杖	duo	dì	
u67AC	杧	nán	zhān	Also Mimer
u68BA	桼	xia	xià	
u68BB	拂	fo	fó	
u68C5	楝	bìng	bǐng	Mimer, kHanyuPinyin indirect
u691A	櫚	men	mēn	
u6923	楩	dian	diǎn	
u6929	楨	geng	gēng	
u692B	榘	zhǎn	shàn	Mimer, kHanyuPinyin indirect
u698C	檉	pi	bī	
u69C6	楸	xún	chūn	Mimer, kHanyuPinyin indirect
u69D5	楸	zhuó	zhuō	Mimer, kHanyuPinyin indirect
u6A72	檉	xi	xǐ	
u6A85	檉	suì	huì	Mimer, kHanyuPinyin indirect
u6ACA	檉	ge	gé	
u6B75	楨	cuò	zé	Mimer, kHanyuPinyin indirect
u6BDF	桼	lie	liě	
u6BFA	榘	yū	shū	Mimer, kHanyuPinyin indirect
u6CAF	檉	zǎn	zá	Mimer, kHanyuPinyin indirect
u6D02	沝	yì	yè	Mimer, kHanyuPinyin indirect
u6DFF	涓	mì	bó	Mimer, kHanyuPinyin indirect

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u6E12	淖	pì	pài	Mimer, kHanyuPinyin indirect
u6E13	溪	xi	xī	Mimer, kHanyuPinyin indirect
u6E7A	淦	yán	xián	Mimer, kHanyuPinyin indirect
u6E82	淲	la	là	
u6E84	淦	feng	féng	
u6E8A	淠	xia	bō	
u6E95	淦	mèng	méng	Mimer, kHanyuPinyin indirect
u6EA8	淦	cái	zāi	Mimer, kHanyuPinyin indirect
u6F43	淦	xún	xiǔ	Mimer, kHanyuPinyin indirect
u6FEA	淦	jìng	qìng	Mimer, kHanyuPinyin indirect
u6FF5	濱	bin	bīn	Mimer, kHanyuPinyin indirect
u704D	灞	què	jué	Mimer, kHanyuPinyin indirect
u7087	炆	pò	pū	Mimer, kHanyuPinyin indirect
u70A8	炆	duò	xiè	Mimer, kHanyuPinyin indirect
u70B6	炆	hān	shǎn	Mimer, kHanyuPinyin indirect
u70EE	炆	lie	liè	Mimer, kHanyuPinyin indirect
u7161	燧	xìn	jìn	Mimer, kHanyuPinyin indirect
u7170	焔	gào	zào	Mimer, kHanyuPinyin indirect
u7175	焔	xiā	nǎn	Also Mimer
u71C5	燄	xián	xún	Mimer, kHanyuPinyin indirect
u71D3	燄	fēn	fén	Mimer, kHanyuPinyin indirect
u71DB	燄	jǐng	jiǒng	Mimer, kHanyuPinyin indirect
u71EA	燄	cōng	zǒng	Mimer, kHanyuPinyin indirect
u71F5	燄	da	dá	
u71FA	燄	kǎo	hè	Mimer, kHanyuPinyin indirect
u720B	燄	xùn	xūn	Also Mimer

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u7245	牖	yóng	yōng	Mimer, kHanyuPinyin indirect
u725C	牛	niu	niú	
u72A0	犧	xi	xī	Mimer, kHanyuPinyin indirect
u72B2	豺	cái	chái	Mimer, kHanyuPinyin indirect
u72C5	狂	qīng	kuáng	Mimer, kHanyuPinyin indirect
u7312	獸	yān	yàn	Mimer, kHanyuPinyin indirect
u731F	獺	lie	liè	Mimer, kHanyuPinyin indirect
u7371	獮	pín	biān	Mimer, kHanyuPinyin indirect
u739C	玘	gōng	hóng	Mimer, kHanyuPinyin indirect
u7412	瑋	feng	fēng	
u741D	瑗	wén	mín	Mimer, kHanyuPinyin indirect
u7484	境	yǐng	jǐng	Mimer, kHanyuPinyin indirect
u7541	卑	qí	bì	Mimer, kHanyuPinyin indirect
u77CB	矚	lì	lěi	Also Mimer
u77DD	矜	lín	jīn	Also Mimer
u7819	砮	pān	wǎ	Also Mimer
u78D8	磻	qìng	yáo	Also Mimer
u78EE	磻	lun	lún	
u7902	磻	xi	xī	Also Mimer
u790D	磻	kě	jié	Mimer, kHanyuPinyin indirect
u7938	磻	zǎn	cǎ	Mimer, kHanyuPinyin indirect
u7986	裨	bēi	bì	Mimer, kHanyuPinyin indirect
u7999	褻	bei	bèi	
u799D	褻	jí	jì	Mimer, kHanyuPinyin indirect
u7A01	稟	kǎo	gǎo	Mimer, kHanyuPinyin indirect
u7AC2	寮	piáo	liáo	Mimer, kHanyuPinyin indirect

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u7AD5	玢	fen	fēn	
u7AE1	𪛑	bai	bǎi	
u7AF0	𪛒	sháo	lí	Also Mimer
u7B05	𪛓	xiáo	jiǎo	Mimer, kHanyuPinyin indirect
u7B29	𪛔	pèi	fá	Mimer, kHanyuPinyin indirect
u7B3D	𪛕	min	mǐn	
u7C13	𪛖	diao	diāo	
u7C35	𪛗	dù	lù	Mimer, kHanyuPinyin indirect
u7C3C	𪛘	lóng	gōu	Mimer, kHanyuPinyin indirect
u7C88	𪛙	rǒu	róu	Mimer, kHanyuPinyin indirect
u7C8E	𪛚	chǐ	mǐ	Also Mimer
u7C9A	𪛛	lí	chī	Mimer, kHanyuPinyin indirect
u7D2A	𪛜	cǐ	qī	Mimer, kHanyuPinyin indirect
u7D7C	𪛝	zhěn	zhèn	Mimer, kHanyuPinyin indirect
u7E15	𪛞	yūn	yùn	Also Mimer
u7F59	𪛟	mí	shēn	Mimer, kHanyuPinyin indirect
u7FD6	𪛠	xì	xī	Mimer, kHanyuPinyin indirect
u8094	𪛡	yǐ	chǐ	Mimer, kHanyuPinyin indirect
u80D0	𪛢	kū	fěi	Mimer, kHanyuPinyin indirect
u8184	𪛣	sòu	shòu	Mimer, kHanyuPinyin indirect
u81A5	𪛤	chūn	cūn	Also Mimer
u8224	𪛥	fan	fán	
u8254	𪛦	dou	dào	
u830B	𪛧	dǐ	zhǐ	Mimer, kHanyuPinyin indirect
u835D	𪛨	zé	cè	Mimer, kHanyuPinyin indirect
u841E	𪛩	bi	bì	

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u8420	萌	méng	pān	Also Mimer
u8422	范	pao	pāo	
u8485	染	ran	rǎn	
u84DC	葩	pei	pèi	
u85AD	裨	bai	bài	Mimer, kHanyuPinyin indirect
u85F5	褭	bao	bǎo	
u8615	蓬	feng	péng	
u861D	蕪	liàn	liǎn	Mimer, kHanyuPinyin indirect
u8630	縻	man	màn	
u8683	螞	xiàng	xiǎng	Mimer, kHanyuPinyin indirect
u86AE	蚩	tè	dài	Mimer, kHanyuPinyin indirect
u86FD	蝟	bài	bèi	Mimer, kHanyuPinyin indirect
u881D	蠅	léi	lěi	Mimer, kHanyuPinyin indirect
u882B	蠹	lì	lí	Mimer, kHanyuPinyin indirect
u882F	廬	bèng	pí	Mimer, kHanyuPinyin indirect
u8842	衄	niù	nù	Mimer, kHanyuPinyin indirect
u88AC	衰	gǔn	yù	Mimer, kHanyuPinyin indirect
u88AE	衤	ni	mí	
u88C3	衤	ka	kǎ	
u8900	褱	jì	qí	Mimer, kHanyuPinyin indirect
u8901	褱	zhí	guǒ	Mimer, kHanyuPinyin indirect
u891C	褱	pao	páo	
u8945	褱	bi	bì	
u8965	褱	pú	fú	Mimer, kHanyuPinyin indirect
u8A2E	誣	xiān	yán	Mimer, kHanyuPinyin indirect
u8A88	誣	wú	wū	Mimer, kHanyuPinyin indirect

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u8ACA	諭	jú	jū	Mimer, kHanyuPinyin indirect
u8AD9	諷	huài	huà	Mimer, kHanyuPinyin indirect
u8B29	暮	mò	mó	Mimer, kHanyuPinyin indirect
u8B6A	藹	ài	ǎi	Mimer, kHanyuPinyin indirect
u8B75	對	zhuì	dùi	Mimer, kHanyuPinyin indirect
u8C8B	獬	hàn	àn	Mimer, kHanyuPinyin indirect
u8C96	獫	è	yì	Mimer, kHanyuPinyin indirect
u8CA6	阮	wàn	wán	Mimer, kHanyuPinyin indirect
u8CAD	質	zhí	zhì	Mimer, kHanyuPinyin indirect
u8CCC	賚	gài	gāi	Mimer, kHanyuPinyin indirect
u8D0C	瞶	pu	pú	
u8D7C	趙	cī	zī	Mimer, kHanyuPinyin indirect
u8DF6	跲	tà	dá	Mimer, kHanyuPinyin indirect
u8E80	躓	kuàng	guàn	Also Mimer
u8EA4	躡	jiè	jí	Mimer, kHanyuPinyin indirect
u8EAE	眴	fen	fēn	
u8EBE	眵	mei	měi	
u8EE0	軒	rèn	kuáng	Mimer, kHanyuPinyin indirect
u8FCF	込	tì	dá	Mimer, kHanyuPinyin indirect
u9064	馮	ma	mǎ	
u907B	選	wù	è	Mimer, kHanyuPinyin indirect
u9218	鉦	jǐ	yǐ	Mimer, kHanyuPinyin indirect
u921F	鈿	shī	diào	Mimer, kHanyuPinyin indirect
u92C4	鍍	wǎn	wàn	Mimer, kHanyuPinyin indirect
u92DB	鈿	gōng	kuàng	Mimer, kHanyuPinyin indirect
u92F2	鉦	bing	bīng	

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u9303	鎏	bēi	pī	Mimer, kHanyuPinyin indirect
u933A	鎊	fang	fāng	
u9345	鎡	fa	fǎ	
u935F	鎢	xīng	shēng	Mimer, kHanyuPinyin indirect
u93BD	鋒	feng	fēng	
u9402	鎬	liù	liú	Mimer, kHanyuPinyin indirect
u941B	鎩	yìng	yǐng	Mimer, kHanyuPinyin indirect
u9483	鎪	shǔ	zhú	Mimer, kHanyuPinyin indirect
u9491	鎰	jí	sà	Mimer, kHanyuPinyin indirect
u94B6	鉀	ē	kē	Mimer, kHanyuPinyin indirect
u94B8	鉀	bù	bū	Mimer, kHanyuPinyin indirect
u94D4	鉀	yà	yā	Mimer, kHanyuPinyin indirect
u958A	閏	shan	shān	
u95C0	閏	xiàng	hòng	Mimer, kHanyuPinyin indirect
u95EB	閏	yàn	yán	Mimer, kHanyuPinyin indirect
u96B2	隲	é	zhì	Mimer, kHanyuPinyin indirect
u9782	鞞	jiá	jiē	Mimer, kHanyuPinyin indirect
u9786	鞞	bing	bǐng	
u97A9	鞞	xiào	qiào	Mimer, kHanyuPinyin indirect
u9825	頤	shěn	yí	Mimer, kHanyuPinyin indirect
u98CA	颯	biao	biāo	Mimer, kHanyuPinyin indirect
u98F9	鯽	liǔ	bǎo	Mimer, kHanyuPinyin indirect
u99F4	駮	xiè	hài	Mimer, kHanyuPinyin indirect
u9A13	驗	yǎn	yàn	Mimer, kHanyuPinyin indirect
u9A39	驪	lí	qí	Mimer, kHanyuPinyin indirect
u9B5E	魴	ba	bā	

2. 275 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, but for which Apple did not make a suggestion. None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. For some, additional sources that agree with the proposed value are provided. Apple disagrees with one of these, for u556B.

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u9B78	鮎	pian	piàn	
u9B79	魈	mo	mó	
u9BD1	鯀	xi	xī	
u9BD3	鯨	ní	shēn	Also Mimer
u9BF3	魴	di	dǐ	
u9C93	鰲	kǎo	kào	Mimer, kHanyuPinyin indirect
u9D44	鸚	zhī	chī	Mimer, kHanyuPinyin indirect
u9D55	鸚	xùn	jùn	Mimer, kHanyuPinyin indirect
u9D65	鸞	pan	pàn	
u9DCD	鸚	jiāo	xiāo	Mimer, kHanyuPinyin indirect
u9E14	鰲	bào	bǔ	Mimer, kHanyuPinyin indirect
u9EAB	麪	miǎn	miàn	Mimer, kHanyuPinyin indirect
u9F30	鼯	niàn	jú	Mimer, kHanyuPinyin indirect
u9F3C	鼯	yǎo	yào	Mimer, kHanyuPinyin indirect
u9F6B	齧	kǔn	yǔn	Mimer, kHanyuPinyin indirect

2a. 3 changes to kMandarin proposed by Persson-2013-05 and supported by Zdic and Microsoft values, for which Apple did not originally make a proposal (but Apple now agrees with the Persson proposal). None of these have values in kHanyuPinyin or kXHC1983 fields for Unicode 7.0. However, the proposed value conflicts with the “kHanyuPinyin indirect reference” cited by Persson (this is a kHanyuPinyin reading for a related character, but is ranked lower as a source than the Zdic/MS value)

code	char	kMandarin Unicode 7.0	kMandarin proposed	Supplementary sources
u6858	栢	zhuì	chuí	Mimer & Apple, but kHanyuPinyin indirect = zhuì
u72B8	狍	mà	mǎ	Mimer & Apple, but kHanyuPinyin indirect = mà
u854F	猪	chú	zhū	Mimer & Apple, but kHanyuPinyin indirect = chú

2b. 33 changes to kMandarin proposed by Persson-2015-05 and supported by Zdic and Microsoft values. For 8 of these, Apple-13277421 instead suggests adding the proposed value or a similar value as a second reading specific to traditional Chinese, instead of changing the Unicode 7.0 value.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Note
u4EB9	𧯧	mén	wěi	wěi,mén	mén; wěi	
u4EE1	仉	gē	yì	yì,wù,gē	gē; yì	
u4F3A	伺	cì	sì	sì,cì	cì; sì	
u4FDF	俟	qí	sì	sì,qí	qí; sì	
u5261	剡	shàn	yǎn	yǎn,shàn	shàn; yǎn	
u52E6	勦	chāo	jiǎo	jiǎo,chāo,cháo	chāo; jiǎo	
u5548	悻	hēng	hèng	hèng,è,zá	hēng; hèng	
u555C	啜	chuài	chuò	chuò,zhuó,chuài	chuài; chuò	
u5ADA	嫚	mān	màn	màn,yuān	mān; màn	
u5B71	孱	càn	chán	chán,càn,jiān,zhàn	càn; chán	
u5E23	眷	juǎn	juàn	juàn,juǎn	juǎn; juàn	
u6452	摒	bǐng	bìng	bìng	bǐng; bìng	
u64D8	擘	bāi	bò	bò	bāi; bò	Apple: add bò as 2nd value for traditional
u65AE	斲	cuò	zhuó	zhuó	cuò; zhuó	
u665F	晟	chéng	shèng	shèng,chéng,jīng	chéng; shèng	
u677B	杻	chǒu	niǔ	niǔ,chǒu	chǒu; niǔ	
u6B59	歙	shè	xī	xī,shè,xié	shè; xī	
u6C93	沓	dá	tà	tà,dá	dá; tà	Apple: add tà as 2nd value for traditional
u73E9	珩	háng	héng	héng	háng; héng	

2b. 33 changes to kMandarin proposed by Persson-2015-05 and supported by Zdic and Microsoft values. For 8 of these, Apple-13277421 instead suggests adding the proposed value or a similar value as a second reading specific to traditional Chinese, instead of changing the Unicode 7.0 value.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Note
u7538	甸	diān	diàn	diàn,tián,shèng, yìng	diàn	Apple: add diàn as 2nd value for traditional
u7E43	繃	běng	bēng	bēng,běng,bèng	bēng; bēng; bèng	Apple: add bēng as 2nd value for traditional
u7EF7	绷	běng	bēng		bēng; bēng; bèng	Apple: add bēng as 2nd value for traditional
u808B	肋	lē	lèi	lèi,lē,jīn	lē; lèi	
u83DF	菟	tú	tù	tù,tú	tú; tù	
u8514	蔔	bó	bo	bo	bo	
u87A3	滕	tè	téng	téng,tè	tè; téng	
u8FC6	迤	yí	yǐ	yǐ,tuó	yí; yǐ	
u8FE4	迤	yí	yǐ	yǐ,yí,tuó	yí; yǐ	
u90C7	郇	huán	xún	xún,huán	huán; xún	
u9166	酸	fā	pō		fā; pō	Apple: add pō as 2nd value for traditional
u91B1	醱	fā	pō	pō,fā	fā; pō	Apple: add pō as 2nd value for traditional
u9697	隗	kuí	wěi	wěi,guī	kuí; wěi	Apple: add wěi as 2nd value for traditional
u9730	霰	sǎn	xiàn	xiàn	sǎn; xiàn	Google feedback Apr 21; Richard Cook agrees

3. 105 changes to kMandarin proposed by Apple-13277481, which Persson has briefly reviewed (for these I do not have the information about Zdic or Microsoft values). For some, additional sources that agree with the proposed value are provided.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Sources
u3570	吒	xuè	hè	xuè, ma		
u35C4	嘜	kū	mán		kū	
u4E27	喪	sàng	sāng		sāng; sàng	
u4E7C	嗟	cui	zhù			
u4F2C	伋	ze	chǐ			
u4F66	佸	shi	yòu			
u4FE9	俩	liǎ	liǎng		liǎ; liǎng	
u5006	倆	liǎ	liǎng	liǎng, liǎ	liǎ; liǎng	
u5239	刹	shā	chà	chà, shā	chà; shā	
u524E	刹	shā	chà			
u5319	匙	shi	chí	chí, shi	chí; shi	cldr5025-leftover
u5353	卓	zhuō	zhuó	zhuō	zhuō	
u545A	叟	wen	huá			
u545B	呛	qiāng	qiàng		qiāng; qiàng	
u549C	咤	ta	tuō			
u54B3	咳	hāi	ké	hái, hāi, ké, gāi	hāi; ké	
u54C7	哇	wa	wā	wā, guī, huá, wá, wa	wā; wa	cldr5025-leftover
u54D8	哂	xing	xíng			
u5525	呤	lang	léng			
u55AA	喪	sàng	sāng	sàng, sāng	sāng; sàng	
u55C6	嗆	qiāng	qiàng	qiāng, qiàng, chéng	qiāng; qiàng	
u5677	嗽	hm	xīn	xīn, hēn	hm	
u56A1	嘍	hai	xié			
u56D6	囉	lo	luó			
u5C21	焜	kun	hùn			

3. 105 changes to kMandarin proposed by Apple-13277481, which Persson has briefly reviewed (for these I do not have the information about Zdic or Microsoft values). For some, additional sources that agree with the proposed value are provided.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Sources
u5D2B	崖	kū	jué	kū, jué		
u5DBF	嶠	ru	rū			
u5F5F	獲	yuē	huò		yuē	
u5F60	獲	yuē	huò		yuē	
u5F7A	徃	wáng	wǎng	wáng		
u5F94	苳	zhi	cóng			
u5FC4	𠂇	xin	xīn			
u6077	恁	xiao	qiū			
u6150	憇	gong	gōng			
u61F3	懣	hui	huì			
u624C	扌	shou	shǒu			
u62A3	扌	yun	yún			
u62FD	拽	zhuāi	zhuài	yè, zhuài, zhuāi	yè; zhuāi; zhuài	
u633C	按	ruá	ruó	ruó, suī, luò, ruá	ruá; ruó	
u63B4	搵	guāi	guó		guāi; guó	
u63FC	搵	beng	bèng			Apple-13277421
u6451	搵	guāi	guó	guó	guāi; guó	
u64ED	獲	wò	huò	wò, huò, hù		
u6762	空	jiang	jié			
u67A0	榨	zui	huà			
u6926	榜	quan	quān			
u698B	槓	chu	chū			
u6A75	橄	san	zān			
u6A7B	槓	chu	cū			
u6B1F	觀	guang	guàn			
u6C07	瓊	lu	lǚ		lu	
u6C35	彳	shui	shuǐ			

3. 105 changes to kMandarin proposed by Apple-13277481, which Persson has briefly reviewed (for these I do not have the information about Zdic or Microsoft values). For some, additional sources that agree with the proposed value are provided.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Sources
u6F9A	漚	yu	ào			
u702E	灑	ling	lián			
u7140	焜	wei	qū			
u71DD	爆	jing	zhǔ			
u7220	耀	ju	qú			
u74F2	砵	wa	túnwǎ			
u7730	眈	diè	dié	diè, zhì		Apple-13277421
u7858	硯	qing	qíng			
u7A43	穉	rong	ròng			
u7A5D	穢	zui	zuō			
u7AA7	窳	zhuo	zhuō			
u7B39	筴	ti	tì			
u7BD2	簞	shi	yì			
u7C2F	籜	qi	qí			
u7C8C	糲	yin	yǐn			cldr5025-leftover
u7C8F	糝	tai	tà			
u7D89	綉	tòu	xiù	tòu, xiù		
u7DD5	縉	qi	zī			
u7E4C	縵	sha	zōng			
u7E67	縵	yun	wén			
u7E7A	繖	shǎi	shā			
u7F3C	鈹	qi	quē			
u7F40	鈹	zhao	zhào			
u7FAA	羴	yang	yōu			
u826E	艮	gěn	gèn	gèn, hén, gěn	gěn; gèn	
u8279	艸	cao	ǎo			
u8304	茄	jiā	qié	jiā, qié	jiā; qié	

3. 105 changes to kMandarin proposed by Apple-13277481, which Persson has briefly reviewed (for these I do not have the information about Zdic or Microsoft values). For some, additional sources that agree with the proposed value are provided.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Sources
u8345	苔	dā	dá	dá, tà	dā; dá	Apple-13277421
u848F	菑	you	yòng			
u84FF	蓓	xu	xù	xu, sù	xu	
u8570	蒨	wēn	yùn	yùn, wēn	wēn	
u86CC	瓠	gǔ	tún	gǔ		
u87A9	螻	tiao	dāo			
u87D0	螳	chang	chán			
u88C4	衿	xing	háng			
u8F05	輅	hé	lù	hé, lù, yà		
u915C	酖	fu	fū			Apple-13277421
u91C3	醜	shāi	shī	shī, shāi, lí	shāi; shī	
u933B	鉞	wu	bū			
u937A	鍤	duǒ	zhě	duǒ, dǔ, zhě		
u9386	鋤	qian	qián			
u93F1	鐔	zhang	zhāng			
u93F2	鐔	qian	qiān			
u9466	鑲	xian	xián			
u9596	閑	shui	shuǐ			
u96D8	獲	wò	huò	wò		
u976C	軒	qián	jiān	jiān, qián, kān, hàn	qián	
u9904	飴	jiá	hé	jiá, hé		
u9BA7	鯁	tǐ	yí	tǐ, yí		
u9D64	鶇	jiao	zān			
u9DBB	鶇	gú	gǔ	gú, hú		
u9F5C	齧	chái	zī	chái, zī		
u9F75	齧	óu	yú	óu, yú		

4. 42 additions to kMandarin (second values specific to traditional Chinese) proposed by Apple-13277421.

code	char	kMandarin Unicode 7.0	kMandarin addition	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Supplementary sources
u4E07	万	wàn	mò	wàn,mò	mò; wàn	
u4FFE	俾	bǐ	bì	bǐ, bì, bēi, pì	bǐ	cldr5749-main
u5256	剖	pōu	pǒ	pōu	pōu	cldr5749-main
u527D	剽	piāo	piào	piào, piāo, piáo, biǎo, biāo	piāo	cldr5749-main
u535C	卜	bo	bǔ	bǔ, pū, bo	bo; bǔ	cldr5749-main
u5452	旣	fǔ	wǔ		ń	
u54D2	眈	dā	dá			
u5575	皴	bo	bō	bō, bo	bo	cldr5749-main
u55F2	嗲	diǎ	diē	diǎ	diǎ	cldr5749-main
u5638	嚙	fǔ	wǔ	fǔ, ĩ	ń	cldr5749-main
u5660	嗒	dā	dá	dā	dā	cldr5749-main
u5730	地	de	dì	dì, de	de; dì	cldr5749-main
u5824	堤	dī	tí	dǐ, dī, shí, wéi	dī	cldr5749-main
u5DEE	差	chà	chā	chā, chà, chāi, chài, cī, cuō, jiē	chā; chà; chāi; chài; cī	
u5E06	帆	fān	fán	fān, fàn	fān	cldr5749-main
u6597	斗	dòu	dǒu	dǒu, zhǔ, dòu	dǒu; dòu	cldr5749-main
u6753	杓	biāo	sháo	biāo, sháo, shuó, dí, zhuó	biāo; sháo	cldr5749-main
u67CF	柏	bǎi	bó	bǎi, bó, bò	bǎi; bó; bò	cldr5749-main
u6A00	槁	dī	dí	dí, zhí, zhé	dī	cldr5749-main
u8019	耙	bà	pá	bà, pá	bà; pá	cldr5749-main
u820D	舍	shě	shè	shè, shě, shì	shě; shè	

4. 42 additions to kMandarin (second values specific to traditional Chinese) proposed by Apple-13277421.

code	char	kMandarin Unicode 7.0	kMandarin addition	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Supplementary sources
u8584	薄	báo	bó	bó, bù, bò	báo; bó; bò	cldr5749-main
u8AB0	誰	shuí	shéi	shuí, shéi		
u8ADE	諛	piǎn	pián	piǎn		cldr5749-main
u8AF7	諷	fěng	fèng	fěng, fèng		cldr5749-main
u8B58	識	shí	shì	zhì, shí	shí; zhì	
u8BBD	諷	fěng	fèng		fěng	
u8BC6	识	shí	shì		shí; zhì	
u8C01	谁	shuí	shéi		shéi; shuí	
u8C1D	諛	piǎn	pián		piǎn	
u8DCC	跌	diē	dié	diē, tú	diē	cldr5749-main
u8E52	蹠	pán	mán		pán	
u8E63	蹠	pán	mán	pán, mán, liǎng	pán	cldr5749-main
u8E6C	蹬	dēng	dèng	dèng, dēng	dēng; dèng	cldr5749-main
u90FD	都	dōu	dū	dū, dōu	dōu; dū	cldr5749-main
u9642	陂	bēi	pí	bēi, bì, pō, pí	bēi; pí; pō	cldr5749-main
u9684	隄	dī	tí	dī	dī	cldr5749-main
u9817	頗	pō	pǒ	pō, pò, pí		cldr5749-main
u9887	颇	pō	pǒ		pō	
u9AEA	髮	fà	fǎ			cldr5749-main
u9AEE	髮	fà	fǎ	fà	fà; fǎ	cldr5749-main
u9E83	麋	páo	biāo	páo, biāo, piǎo		cldr5749-main

4a. 8 more additions to kMandarin (second values specific to traditional Chinese) proposed by Apple-13277421, to be made if the proposed changes to primary kMandarin readings per table 2b are not made.

code	char	kMandarin Unicode 7.0	kMandarin addition	kHanyuPinyin Unicode 7.0	kXHC1983 Unicode 7.0	Supplementary sources
u64D8	擘	bāi	bò	bò	bāi; bò	cldr5749-main
u6C93	沓	dá	tà	tà, dá	dá; tà	cldr5749-main
u7538	甸	diān	diàn	diàn, tián, shèng, yìng	diàn	cldr5749-main
u7E43	繃	běng	bēng	bēng, běng, bèng	bēng; běng; bèng	cldr5749-main
u7EF7	绷	běng	bēng		bēng; běng; bèng	
u9166	𪗇	fā	pò		fā; pō	
u91B1	𪗈	fā	pò	pō, fā	fā; pō	cldr5749-main
u9697	隗	kuí	wěi	wěi, guī	kuí; wěi	

5. 40 changes to various Unihan reading fields (kMandarin, kHanyuPinyin, and/or kHanyuPinlu) proposed by Persson-2013-12; 2 of the kMandarin changes are also proposed by Apple-13277481, see the “kMandarin change support” column.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	proposed changes to kHanyuPinyin	proposed changes to kHanyuPinlu	kXHC1983 Unicode 7.0	kMandarin change support
u4E7E	乾	gān	qián	10056.100:gān, qián	10056.100:qián,gān		gān; qián	
u524D	前	qián		10248.040:qiǎn, jiǎn	10248.040:qián,jiǎn		qián	
u54D5	啻	huì	yuě				huì; yuě	
u55C5	嗅	xiù		10668.120:xù	10668.120:xiù		xiù	Richard Cook agrees, email Apr 30
u5666	噉	huì	yuě	10689.120:yué,huì	10689.120:yuē,huì		huì; yuě	
u57D4	埔	bù		10443.070:bù,pǔ	10443.070:pǔ,bù		bù; pǔ	
u5A47	嫫	cāi	cǎi	21060.030:cāi	21060.030:cǎi			
u5A4F	媿	fàn	fù	21060.130:fàn,fù	21060.130:fù,fàn			
u5A64	媯	chōu	zhōu	21060.100:chōu,zhōu	21060.100:zhōu, chōu			
u5B45	嬖	qiān	xiān	21090.110:qiān,xiān	21090.110:xiān,qiān			
u5F6F	黠	piǎo	piāo	20856.130:piǎo,piào, miǎo	20856.130:piāo, piào,miǎo			

5. 40 changes to various Unihan reading fields (kMandarin, kHanyuPinyin, and/or kHanyuPinlu) proposed by Persson-2013-12; 2 of the kMandarin changes are also proposed by Apple-13277481, see the “kMandarin change support” column.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	proposed changes to kHanyuPinyin	proposed changes to kHanyuPinlu	kXHC1983 Unicode 7.0	kMandarin change support
u5F77	彷徨	fǎng	páng	20815.010:fǎng,fáng, ,páng	20815.010:páng, fǎng,fáng		fǎng; páng	
u6081	惓惓	yuān		42299.060:yuān,juàn	42304.060:yuān,juàn			
u60B7	悞悞	sàn	lì	42319.060:sàn,tàn	42319.060:lì			
u65FD	吨吨	tùn	tūn	21489.060:tùn, zhùn	21489.060:tūn,zhùn			
u6A0B	樋	tǒng	tōng	21271.110:tǒng	21271.110:tōng			
u6ADA	欄	lú	lú	21311.050:lú	21311.050:lú			
u6E5E	渎	chēng	zhēn	31673.030:chēng, zhēn	31673.030:zhēn, chēng			
u6F6C	潭	shàn	tān	31741.030:shàn, tān	31741.030:tān,shàn			
u73D6	珞	guàng	guāng	21111.020:guàng	21111.020:guāng			
u74BE	璿	zī	jì	21143.070:zī,jì	21143.070:jì,zī			
u77A1	覷	guǐ	guī	42508.120:guǐ	42508.120:guī			
u815C	腓	měi	méi	32093.180:měi	32093.180:méi			
u816C	腓	ròu	róu	32100.050:ròu	32100.050:róu			
u8192	膈	óu	ōu	32106.140:óu	32106.140:ōu			Apple-13277481

5. 40 changes to various Unihan reading fields (kMandarin, kHanyuPinyin, and/or kHanyuPinlu) proposed by Persson-2013-12; 2 of the kMandarin changes are also proposed by Apple-13277481, see the “kMandarin change support” column.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	proposed changes to kHanyuPinyin	proposed changes to kHanyuPinlu	kXHC1983 Unicode 7.0	kMandarin change support
u8338	茸	rōng	róng	53200.030:róng,rǒng		rōng(20) → róng(20)	róng	Apple-13277481
u8491	葭	yìn	yīn	53266.020:yìn	53266.020:yīn			
u8A09	汎	fān	fàn	63942.050:fān	63942.050:fàn			
u90D8	郅	lú	lǚ	63767.090:lú	63767.090:lǚ			
u9D24	駝	dōng	zhōng	74625.070:dōng,dàn	74625.070:zhōng			
u9E00	鸚	chǔ	shǔ	74664.170:chǔ,zhú, chù	74664.170:shǔ,zhú,c hù			Apple proposal for kMandarin is zhǔ
u2031A	儻	ròng	nòng	10202.120:ròng	10202.120:nòng			
u21B0D	癩	lóng	mí	20959.200:lóng	20959.200:mí,mǐ			
u21B10	蠹	mí	yí	20959.190:mí,mǐ	20959.190:yí			
u21B13	癩	yí	(none, delete)	20959.180:yí	(none, delete)			
u21B15		(none)	add: lóng	(none)	add: 20959.210:lóng			

5. 40 changes to various Unihan reading fields (kMandarin, kHanyuPinyin, and/or kHanyuPinlu) proposed by Persson-2013-12; 2 of the kMandarin changes are also proposed by Apple-13277481, see the “kMandarin change support” column.

code	char	kMandarin Unicode 7.0	kMandarin proposed	kHanyuPinyin Unicode 7.0	proposed changes to kHanyuPinyin	proposed changes to kHanyuPinlu	kXHC1983 Unicode 7.0	kMandarin change support
u258F9	穰	ràn	(none, delete)	42639.010:ràn	(none, delete)			
u258FA		(none)	add: ràn	(none)	add: 42639.020:ràn			
u275C8	嶸	n	nú	53053.110:n	53053.110:nú			Apple cannot verify this
u2A048	鷓	zhuàng	zhuāng	74631.130:zhuàng	74631.130:zhuāng			

Persson also suggests a change to the dictionary index field kIRGHanyuDaZidian for u21AFD, from 20958.090 to 20959.090.

Modifications to this document, by version:

r3 version, 2015-May-05:

- Moved u5475 from Table 3 to new Table 1b.
- Renamed Table 1x to 2b, and Table 2x to 2a.
- Added new Table 2b, with data primarily from Persson-2015-05.
- Moved 8 entries from Table 4 into new Table 4a, since these proposed additions to the kMandarin field should only be made if the changes proposed to kMandarin in Table 2b are not made.
- In Table 5, added entry for u54D5, added proposed changes to the kMandarin values for u54D5 and u5666.

r2 version, 2015-Feb-11:

- Table 2, note that Apple disagrees with the proposed change for u556B.
- Table 2x, note that Apple agrees with the Persson proposed values.
- Table 3, delete entries for u6C62, u7233, u9EB6 since Apple proposed value was updated to match the Unihan 7.0 value; for u74F2, update proposed reading from “tún” to “túnwǎ”.

- Table 3x, delete the table and its 3 entries for u5A18, u88F3, u8B58 (the last moved to Table 4); Apple proposed values were updated and now match the UniHan 7.0 values, so there is no longer any proposed change.
- Table 4, add entry for u8B58 (the Apple-proposed value formerly in Table 3x was specific to traditional Chinese)
- Table 5, corrected entries for u21B13 and u258F9 to show deletion of values; added entries for u21B15 and u258FA for which values are proposed instead. Added Apple comments about u9E00, u275C8.

r version, 2015-Feb-04:

- Table 3, removed u7226 (correct proposed value was same as existing), moved u5A18/u88F3/u8B58 to a new table 3x since Persson questions the proposed value.
- Table 4, fixed the values for u4E07
- Table 5, deleted u63A0 and u7565 (proposed change already in Unicode 7.0), added u21B0D, u21B10...; added comments from Apple about u9E00, u2031A, u275C8, u2A048.