



Adobe

Top Ten List: Why Support Beyond-BMP Code Points?

Dr. Ken Lunde | Senior Computer Scientist | Adobe Systems Incorporated



Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—

04—

05—

06—

07—

08—

09—

10—

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—

04—

05—

06—

07—

08—

09—

10—**GB 18030 certification without PUA requires six Extension B ideographs**

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—

04—

05—

06—

07—

08—

09—**Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2**

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—

04—

05—

06—

07—

08—**JIS X 0213:2004 includes 303 ideographs in Extension B**

09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—

04—

05—

06—

07—**The VSes that are required for IVS support are in Plane 14**

08—JIS X 0213:2004 includes 303 ideographs in Extension B

09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—

04—

05—

06—**Many important-for-mobile emoji characters are in Plane 1**

07—The VSes that are required for IVS support are in Plane 14

08—JIS X 0213:2004 includes 303 ideographs in Extension B

09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—

04—

05—**CJK Unified Ideographs Extensions B, C & D are beyond the BMP**

06—Many important-for-mobile emoji characters are in Plane 1

07—The VSes that are required for IVS support are in Plane 14

08—JIS X 0213:2004 includes 303 ideographs in Extension B

09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—

04—**Unicode Version 5.1 broke the 100,000-character barrier**

05—CJK Unified Ideographs Extensions B, C & D are beyond the BMP

06—Many important-for-mobile emoji characters are in Plane 1

07—The VSes that are required for IVS support are in Plane 14

08—JIS X 0213:2004 includes 303 ideographs in Extension B

09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—

03—**Mac OS X and Windows OS support beyond-BMP code points**

04—Unicode Version 5.1 broke the 100,000-character barrier

05—CJK Unified Ideographs Extensions B, C & D are beyond the BMP

06—Many important-for-mobile emoji characters are in Plane 1

07—The VSes that are required for IVS support are in Plane 14

08—JIS X 0213:2004 includes 303 ideographs in Extension B

09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

01—

02—**As of Unicode Version 6.0, there are more characters beyond the BMP**

03—Mac OS X and Windows OS support beyond-BMP code points

04—Unicode Version 5.1 broke the 100,000-character barrier

05—CJK Unified Ideographs Extensions B, C & D are beyond the BMP

06—Many important-for-mobile emoji characters are in Plane 1

07—The VSes that are required for IVS support are in Plane 14

08—JIS X 0213:2004 includes 303 ideographs in Extension B

09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

01—**So you do not cripple other products that depend on your own product**

02—As of Unicode Version 6.0, there are more characters beyond the BMP

03—Mac OS X and Windows OS support beyond-BMP code points

04—Unicode Version 5.1 broke the 100,000-character barrier

05—CJK Unified Ideographs Extensions B, C & D are beyond the BMP

06—Many important-for-mobile emoji characters are in Plane 1

07—The VSes that are required for IVS support are in Plane 14

08—JIS X 0213:2004 includes 303 ideographs in Extension B

09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2

10—GB 18030 certification without PUA requires six Extension B ideographs

Top Ten List: Why Support Beyond-BMP Code Points?

- 01—So you do not cripple other products that depend on your own product
- 02—As of Unicode Version 6.0, there are more characters beyond the BMP
- 03—Mac OS X and Windows OS support beyond-BMP code points
- 04—Unicode Version 5.1 broke the 100,000-character barrier
- 05—CJK Unified Ideographs Extensions B, C & D are beyond the BMP
- 06—Many important-for-mobile emoji characters are in Plane 1
- 07—The VSes that are required for IVS support are in Plane 14
- 08—JIS X 0213:2004 includes 303 ideographs in Extension B
- 09—Hong Kong SCS-2008 includes 1,713 ideographs in Plane 2
- 10—GB 18030 certification without PUA requires six Extension B ideographs



Adobe